

FINAL
Phase II Environmental Site Assessment Report

**Former Naval Training Center Bainbridge
Port Deposit, MD**

AOC 45c (Firing Range #404)

Contract: EP-W-07-094

Task Award #0011 and #0012

Prepared for:

U.S. Environmental Protection Agency
Region 3
1650 Arch Street (3PM52)
Philadelphia, PA 19103-2029

Prepared by:

The ARGO Team



ARGO Systems, LLC
1403 Madison Park Drive, Suite 205
Glen Burnie, Maryland 21061

and

EA Engineering, Science, and Technology, Inc.
15 Loveton Circle
Sparks, Maryland 21152
(410) 771-4950

October 2010

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Project Manager, EA

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Project Manager, ARGO

(b) (4)

27 October 2010
Date

Program Manager, ARGO

Drew Lausch

Task Order Project Officer
U.S. Environmental Protection Agency

10/28/10

Date

This report presents the results of the Phase II ESA activities conducted at Area of Concern (AOC) 45c (Firing Range #404), which is located in Development Priority Area 2 of the Naval Training Center – Bainbridge (NTCB) property. The NTCB property the (“site”) is located in Port Deposit, Maryland 21904 (the “site”). AOC 45c is approximately 1.8 acres in size. This report is presented as Attachment 12 of the Former Naval Training Center Bainbridge Phase II Environmental Site Assessment Report.

BACKGROUND

Small arms projectiles were used at Firing Range #404, which consisted of 85-95% lead, with the remaining 5-15% comprised of zinc, copper and antimony (Jacobs, 2006/2007). Steel plates were used to deflect lead projectiles into a sand trap. As the trap became full of lead shot, the sand was pushed out the back of the open pavilion type structure. The sand was left on surface soils where the outside conditions could have transported lead to native soils and surface waters.

Background sampling performed in the 1990s at the NTCB detected a high concentration of lead near one of the former small arms firing ranges. Building 404 was further characterized which detected concentrations levels of lead above 400 milligrams per kilogram (mg/kg). Remediation of the area consisted of a removal action, with the following approximate extent of removal: Approximate 28,600 square foot (sf) area from a depth of 12 to 36 inches (in.) along the southwestern and northeastern portions of the building.

Approximately 5,259 tons of lead impacted soil combined from AOC 45a (Firing Range #204) and AOC 45c were removed for off-site disposal in a permitted landfill (OHM 1999). Excavations deeper than approximately 12 in. were backfilled with sandy soil from the Old Landfill cap stripping work. The areas were then graded and seeded. In November 1999, United States Environmental Protection Agency (USEPA) issued a closeout report comment letter for the areas under AOC 45 which stated lead-impacted soils at the former firing ranges had been remediated to satisfy human health standards for unrestricted residential reuse.

Lead in soil was also remediated from around the northeastern and southeastern portions of Buildings 412 and 414 (OHM, 1999). These buildings were located adjacent to the northwest of Building 404, which is located at Range 404. It should be noted that neither of these buildings were identified as their own AOC in any of the documents obtained/reviewed for the NTCB. Excavation around these buildings was from 1 to 3 feet (ft) deep.

WORK PERFORMED

Sample grid point locations were identified based on a previous AOC figure (EA 1999) which highlighted the removal area associated with this AOC, review of historical aerial photographs dated 1959, 1970, and 1975, 1981, 1987, 1998, 1999, and 2005 as provided by Environmental Data Resources, Inc. (EDR), and photos and a figure from a prior report (OHM 1999) which showed the activities at this AOC, as well as the adjacent buildings #412 and 414. The figure from the 1999 OHM report showing AOC 45c is included in Appendix D.

Soil samples were collected on 17 May 2010. As part of the original planning process for this AOC, sample grid points were laid out using a 50 ft grid spacing. In accordance with the United States Environmental Protection Agency (USEPA) approved RFO #37 – Naval Training Center Bainbridge Field Sampling Plan Addendum #1 dated May 2010, the number of sample points were reduced from 48 to 10; sample grid points were selected randomly throughout the area. Samples were collected from the following grid points/depths:

- AOC 45c – 3 (0-2 ft depth)
- AOC 45c – 9 (0-2 ft depth)
- AOC 45c – 13 (0-2 ft depth)
- AOC 45c – 16 (0-2 ft depth)
- AOC 45c – 23 (0-2 ft depth)
- AOC 45c – 25 (0-2 ft depth)
- AOC 45c – 27 (0-2 ft depth)
- AOC 45c – 39 (0-2 ft depth)
- AOC 45c – 41 (0-2 ft depth)
- AOC 45c – 43 (0-2 ft depth)

Previous soil analysis performed by others after completion of the Navy remedial action at this AOC was below the current Maryland Department of the Environment (MDE) Residential Cleanup Standard for lead of 400 mg/kg. Therefore, soil samples were only collected from the 0-2 foot (ft) depth in an effort to assess the fill material placed as part of the previous Navy remedial action at this AOC.

In addition, in accordance with the USEPA approved RFO #37 – Naval Training Center Bainbridge Field Sampling Plan Addendum #1 dated May 2010, sample analyses were modified to the following to address MDE Clean Fill requirements and to verify that the U.S. Navy fully remediated the previously identified contamination:

- Each soil sample was analyzed for priority pollutant list (PPL) metals analysis via USEPA Method 6020A.
- Two soil samples for volatile organic compound (VOC) analysis via USEPA Method 8260B were collected. The samples were to be selected based on PID readings and/or notable visual observations (e.g., staining). As no PID readings were detected and visual observations did not identify any areas of staining, the samples were randomly collected from two of the sample points. The samples were collected from lower portion of the depth interval.
- Four soil samples for semi-volatile organic compound (SVOC) analysis via USEPA Method 8270C were collected. The samples were to be selected based on notable visual observations (e.g., staining). As visual observations did not identify any areas of staining, the samples were randomly collected from four of the sample points.
- Four soil samples for polychlorinated biphenyl (PCB) analysis via USEPA Method 8082A were collected. The samples were to be selected based on notable visual observations (e.g., staining). As

visual observations did not identify any areas of staining, the samples were randomly collected from four of the sample points.

- Two soil sample for pesticide analysis via USEPA Method 8081B were collected. The samples were to be selected based on notable visual observations (e.g., staining). As visual observations did not identify any areas of staining, the samples were randomly collected from two of the sample points.

The remaining Phase II ESA activities were performed in accordance with the USEPA approved Field Sampling Plan (FSP) dated April 2010.

Prior to initiation of sampling effort, brush clearing was performed in the sampling areas. In addition, layout of the sample grid collection pattern was also conducted at this time using a global positioning system (GPS) to locate and flag the sample locations. Prior to sampling, the local utility marking service (MISS Utility) was also contacted to perform municipal utility mark-out.

Samples were collected using a hand Geoprobe® tool which was decontaminated between each sample location. Site lithology and characterization information were recorded. Groundwater was not encountered in any of the borings.

Soil cores were screened visually and by a photoionization detector (PID) for the potential presence of VOCs. The results of the field screening were recorded by field personnel on soil boring logs using the Unified Soil Classification System (USCS). Visual observations did not identified any visual evidence of impact (e.g., soil staining), and no PID readings above background levels were identified.

Upon retrieval from the sampler, the acetate liner was cut to expose the entire length of the core. Prior to homogenization, aliquots for VOC analysis were collected using a EnCore® sampler following USEPA Method SW5035. The remaining soil for that target interval was placed into a Ziploc bag and homogenized. A total of 10 discrete and one duplicate soil samples were collected for laboratory analysis. Where duplicates and/or matrix spike/matrix spike supplicates were collected, enough soil for both the discrete sample and the quality control samples were homogenized together. Following homogenization, soils were placed into samples jars as required by the analytical method. Unused portions of the soil cores were returned to the boreholes.

All soil samples were field-screened using an Innov-x α-4000 SL x-ray fluorescence (XRF) to evaluate lead concentrations. Results were recorded in a field log book, and provided to USEPA and MDE. The XRF lead screening results ranged from non-detect (ND<15) to 256 +/- 8 parts per million (ppm).

Soil samples for laboratory analysis were placed on ice and delivered to Phase Separation Science, Inc. (Phase) in Catonsville, Maryland. Laboratory analysis was performed with low detection limits so that comparison could be conducted against the MDE Cleanup Standards for Soil and Groundwater (Update No. 2.1) dated June 2008.

A figure showing the sample locations is included in Attachment A. A summary Table of the laboratory analytical results is included in Attachment B, and laboratory results provided by Phase are included in Attachment C.

RESULTS

PCBs: No PCBs were reported above the laboratory reporting in the soil samples.

Pesticides: No pesticides were reported above the laboratory reporting in the soil samples.

VOCs: Acetone was reported in one of the two soil samples analyzed for VOCs, but at a concentration below the MDE Residential Soil Cleanup Standard of 7,000,000 micrograms per kilogram ($\mu\text{g}/\text{kg}$). No other VOCs were reported above the laboratory reporting limit in the soil samples.

SVOCs: SVOC results at or above the applicable MDE Residential Soil Cleanup Standards were reported in two of four discrete soil samples collected at this AOC and selected for SVOC analysis. The following SVOCs, along with their associated MDE Residential Cleanup Standard, were reported at or above the applicable cleanup standard in one or more of these 27 discrete samples: Benzo(a)anthracene (MDE Residential Soil Cleanup Standard of 220 micrograms per kilogram [$\mu\text{g}/\text{kg}$]); benzo(a)pyrene (MDE Residential Soil Cleanup Standard of 22 $\mu\text{g}/\text{kg}$); benzo(b)fluoranthene (MDE Residential Soil Cleanup Standard of 220 $\mu\text{g}/\text{kg}$); and dibenz(a,h)anthracene (MDE Residential Soil Cleanup Standard of 22 $\mu\text{g}/\text{kg}$).

The following samples were reported with SVOCs above the applicable MDE Residential Soil Cleanup Standards:

- AOC 45c-3: Benzo(a)anthracene at 400 $\mu\text{g}/\text{kg}$; benzo(a)pyrene at 360 $\mu\text{g}/\text{kg}$; benzo(b)fluoranthene at 330 $\mu\text{g}/\text{kg}$; dibenz(a,h)anthracene at 63 $\mu\text{g}/\text{kg}$; and ideno(1,2,3-cd)pyrene at 260 mg/kg
- AOC 45c-23: Benzo(a)anthracene at 1,300 $\mu\text{g}/\text{kg}$; benzo(a)pyrene at 1,300 $\mu\text{g}/\text{kg}$; benzo(b)fluoranthene at 1,400 $\mu\text{g}/\text{kg}$; dibenz(a,h)anthracene at 160 $\mu\text{g}/\text{kg}$; and indeno(1,2,3-cd)pyrene at 770 mg/kg

No additional samples were reported with benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, or ideno(1,2,3-cd)pyrene with concentrations at or above the applicable cleanup standards. None of the samples were reported with benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene, or pyrene with concentrations at or above the applicable cleanup standards. No other SVOCs were reported above the laboratory reporting limits.

Metals: Metals results at or above the applicable MDE Residential Soil Cleanup Standards (or site-specific arsenic cleanup standard) were reported in three of 10 discrete soil samples collected at this AOC. The following metals, along with their associated MDE Residential Cleanup Standard (site-specific arsenic standard), were reported at or above the applicable cleanup standard in one or more of

these nine discrete samples: Arsenic (6.0 mg/kg); chromium (total) (23 mg/kg); and mercury (element) (0.09 mg/kg).

The following samples were reported with metals at or above the applicable MDE Residential Soil Cleanup Standards or site-specific 6.0 mg/kg arsenic cleanup standard. In addition, as no mercury speciation was performed, the mercury sample results were compared against both the mercury (inorganic/Mercuric Dichloride) and mercury (element) MDE Soil Cleanup Standards:

- AOC-45c-16: Chromium (total) at 35 mg/kg; and mercury at 0.09 mg/kg
- AOC-45c-23: Arsenic at 6.2 mg/kg; chromium (total) at 27 mg/kg; and mercury at 0.14 mg/kg
- AOC-45c-43: Chromium (total) at 26 mg/kg

For reference purposes, the background metals results (Section B.3.3 of the Former Naval Training Center Bainbridge Phase II Environmental Site Assessment Report) for soil samples collected nearest this AOC (from north of the reservoir) include the following:

- Arsenic: 0.76 to 3.3 mg/kg
- Chromium (total): 2.5 to 7.8 mg/kg
- Mercury: Non-Detect (ND) to 0.26 mg/kg

In addition, the chromium (total) MDE Anticipated Typical Concentration (ATC) in soils (Eastern, MD) is 28 mg/kg, and the mercury MDE ATC in soils (Eastern, MD) is 0.09 mg/kg. Arsenic has a site-specific cleanup standard which is higher than its associated MDE ATC.

None of the remaining samples were reported with concentrations of arsenic, chromium (total), or mercury at or above the applicable cleanup standards. None of the samples were reported with concentrations of copper, lead, nickel, or zinc at or above the applicable cleanup standards. Antimony, beryllium, cadmium, selenium, silver, and thallium were not reported above the laboratory reporting limits in any samples.

DATA VALIDATION:

Based on the results of data validation performed as part of this Phase II ESA (Section B.4 of the Former Naval Training Center Bainbridge Phase II Environmental Site Assessment Report), all data associated with this AOC are acceptable for their intended use with the exception of the following samples/constituents which were rejected by the validator:

- 2-butone and 4-methyl-2-pentanone results for the following samples due to unacceptable laboratory calibration values:
 - AOC-45C-16; and AOC-45C-39

CONCLUSIONS:

No VOCs, PCBs or pesticides were reported above the MDE Residential Soil Cleanup Standards or laboratory reporting limits.

However, SVOC(s) were reported above the MDE Residential Soil Cleanup Standards in two of four samples selected for SVOC analysis. Furthermore, metals (chromium and arsenic) were reported above the MDE Residential Soil Cleanup Standards (or site-specific arsenic standard) in three of nine samples, although two of the chromium results were below the MDE ATC for chromium in soils (Eastern, MD).

Based on these results, SVOCs and metals above the MDE Residential Soil Cleanup Standards (or site-specific arsenic standard) are likely widespread throughout this AOC, and the SVOCs and metals appear to be associated with the fill material placed by the U.S. Navy.

Attachments:

- Attachment A: Figure
- Attachment B: Table
- Attachment C: Laboratory Analytical Results
- Attachment D: 1999 OHM Report Figure

Attachment A
Figure

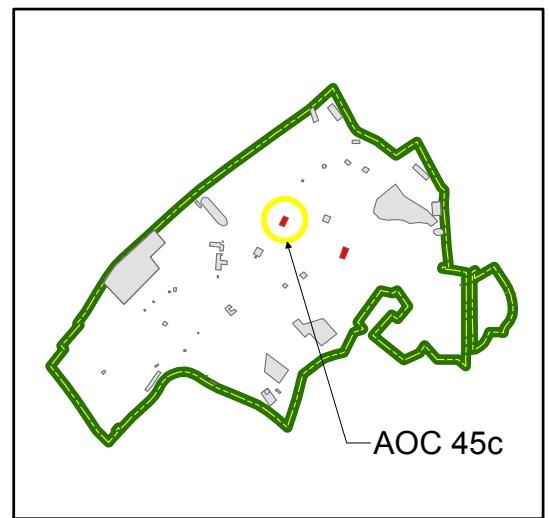
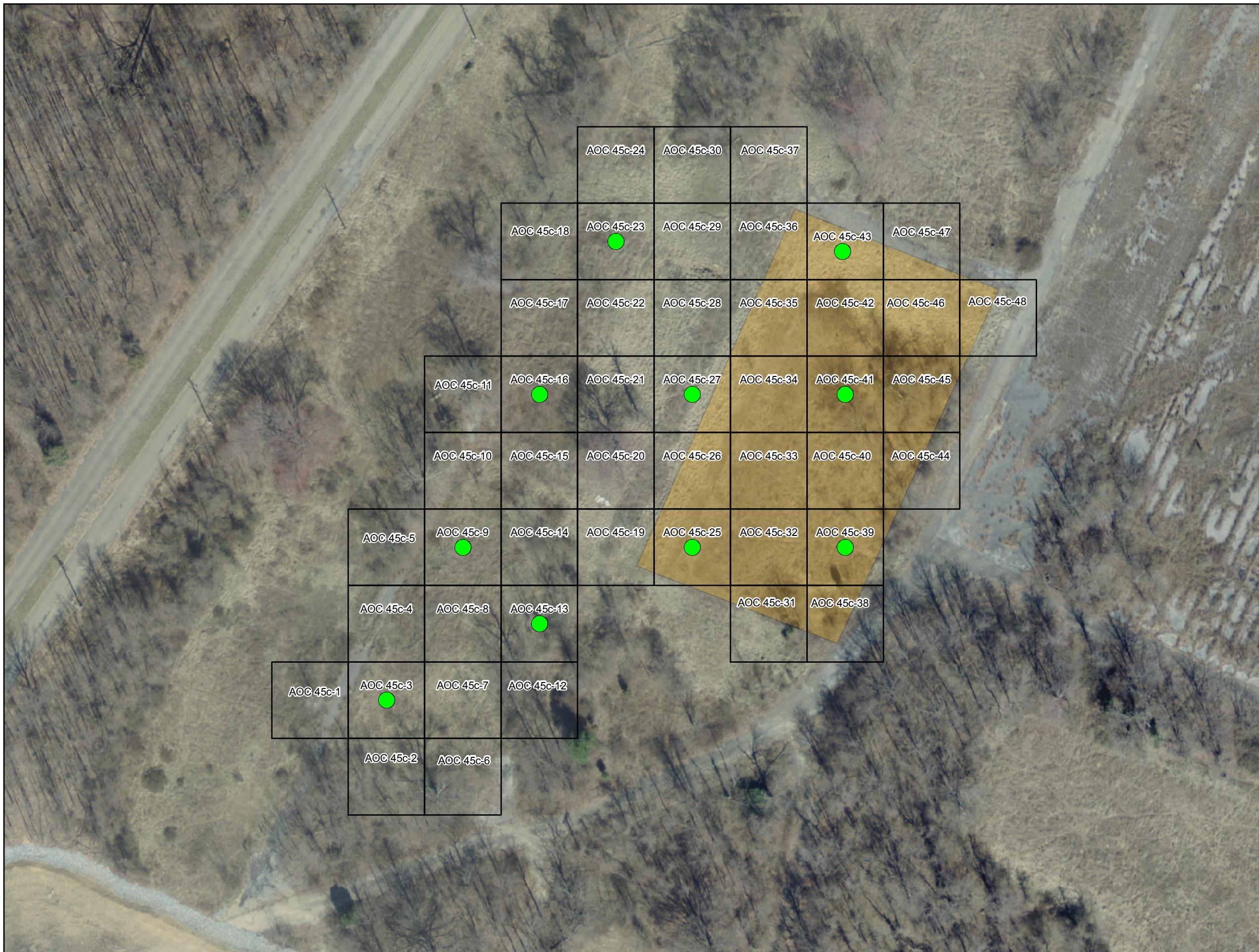


Figure 1
Area of Concern 45c
(Firing Range #404)
Buildings 412 & 414
Sampling Design

Naval Training Center Bainbridge
Port Deposit, Maryland



0 10 20 30 40
Meters

0 30 60 90 120
Feet

EA EA Engineering, Science,
and Technology, Inc.

Legend

- Property Boundary
- Area of Concern
- 50 ft Grid
- Sample Location

Source: Axis Geospatial LLC, 2008
Projection: NAD 1983 Maryland StatePlane (ft)
August, 2010

Attachment B
Tables

NTCB AOC 45c (Firing Range #404) Metals, Pesticide, and PCB Sample Results

| Date Sample Collected: | | | | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | |
|---|---|---|---|--|-----------|----------------------|------------|------------|---------------------------------------|------------|------------|------------|----------------------|------------|
| Sample Number | | | | AOC-45c-3 | AOC-45c-9 | AOC-45c-13 MS/MSD | AOC-45c-16 | AOC-45c-23 | AOC-45c-DUP-01 (Dup of AOC-45C-23) | AOC-45c-25 | AOC-45c-27 | AOC-45c-39 | AOC-45c-41 MS/MSD | AOC-45c-43 |
| Sample Depth | | | | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | |
| Matrix | | | | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Lead XRF Screening Result | | | | 22 +/- 3 | 32 +/- 3 | ND<15 | 34 +/- 3 | 256 +/- 8 | N/A | 37 +/- 4 | 10 +/- 3 | 44 +/- 4 | 22 +/- 3 | ND<15 |
| Analyte | MDE Residential Soil Cleanup Standard (mg/kg) | MDE Non-Residential Soil Cleanup Standard (mg/kg) | MDE Anticipated Typical Concentration in Soils (Eastern MD) | Metals Lab Results - mg/kg (or ppm) | | | | | | | | | | |
| Antimony | 3.1 | 41 | --- | ND(ul) | ND(ul) | ND(ul) | ND(ul) | ND(ul) | N/A | ND(ul) | ND(ul) | ND(ul) | ND(ul) | |
| Arsenic | 6.0 (**) | 6.0 (**) | 3.6 | 2.9 | 3.1 | 2.8 | 5.5 | 6.2 | N/A | 4.8 | 2.8 | 6.0 | 4.8 | 4.1 |
| Beryllium | 16 | 200 | --- | ND | ND | ND | ND | ND | N/A | ND | ND | ND | ND | ND |
| Cadmium | 3.9 | 51 | --- | ND | ND | ND | ND | ND | N/A | ND | ND | ND | ND | ND |
| Chromium (total) | 23 | 310 | 28.0 | 11(k) | 11(k) | 15(j) | 35(j) | 27(j) | N/A | 21(j) | 14(j) | 22(j) | 18(l) | 26(l) |
| Copper | 310 | 4100 | --- | 5.2 | 5.4 | 6.8 | 11 | 16 | N/A | 6.9 | 5.4 | 9.2 | 4.8 | 18 |
| Lead | 400 | 1000 | --- | 27 | 33 | 8.6 | 94 | 380 | N/A | 14 | 12 | 11 | 8.8(k) | 13(k) |
| Mercury (element) | 0.09 | 0.09 | 0.09 | 0.05 (j) | 0.05 (j) | 0.05 (j) | 0.09 (j) | 0.14 | N/A | 0.05 (j) | ND | ND | ND | 0.05 (j) |
| Mercury (inorganic/Mercuric Dichloride) | 2.3 | 31 | 0.51 | 0.05 (j) | 0.05 (j) | 0.05 (j) | 0.09 (j) | 0.14 | N/A | 0.05 (j) | ND | ND | ND | 0.05 (j) |
| Nickel | 160 | 2000 | --- | 6.6 | 6.2 | 7.1 | 8.7 | 11 | N/A | 4.6 | 5.0 | 6.7 | 4.8 | 14 |
| Selenium | 39 | 510 | --- | ND | ND | ND | ND | ND | N/A | ND | ND | ND | ND | ND |
| Silver | 39 | 510 | --- | ND | ND | ND | ND | ND | N/A | ND | ND | ND | ND | ND |
| Thallium | 0.55 | 7.2 | 3.9 | ND | ND | ND | ND | ND | N/A | ND | ND | ND(ul) | ND(ul) | ND |
| Zinc | 2,300 | 31,000 | --- | 28 | 26 | 16 | 58 | 98 | N/A | 12 | 16 | 20 | 16 | 27 |
| Analyte | MDE Residential Soil Cleanup Standard (µg/kg) | MDE Non-Residential Soil Cleanup Standard (µg/kg) | MDE Anticipated Typical Concentration in Soils (Eastern MD) | Pesticide Lab Results - µg/kg (or ppb) | | | | | | | | | | |
| 4,4'-DDD | 2,700 | 12,000 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| 4,4'-DDE | 1,900 | 8,400 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| 4,4'-DDT | 1,900 | 8,400 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Aldrin | 38 | 170 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| a-BHC (a-HCH) | 100 | 450 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| alpha-Chlordane | 1,800 | 8,200 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| b-BHC (b-HCH) | 350 | 1,600 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| d-BHC | 490 | 2,200 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Dieldrin | 40 | 180 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Endosulfan I | 47,000 | 610,000 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Endosulfan II | 47,000 | 610,000 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Endosulfan Sulfate | 47,000 | 610,000 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Endrin | 2,300 | 31,000 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Endrin Aldehyde | 2,300 | 31,000 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Endrin Ketone | 2,300 | 31,000 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| g-BHC (Lindane) | 490 | 2,200 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| gamma-Chlordane | 1,800 | 8,200 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Heptachlor | 140 | 640 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Heptachlor Epoxide | 70 | 310 | --- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Methoxychlor | 39,000 | 510,000 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Toxaphene | 580 | 2,600 | -- | N/A | N/A | N/A | N/A | ND | ND | N/A | N/A | N/A | N/A | ND |
| Analyte | MDE Residential Soil Cleanup Standard (mg/kg) | MDE Non-Residential Soil Cleanup Standard (mg/kg) | MDE Anticipated Typical Concentration in Soils (Eastern MD) | PCB Lab Results - mg/kg (or ppm) | | | | | | | | | | |
| Aroclor 1016 | 0.55 | 41 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |
| Aroclor 1221 | 0.32 | 1.4 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |
| Aroclor 1232 | 0.32 | 1.4 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |
| Aroclor 1242 | 0.32 | 1.4 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |
| Aroclor 1248 | 0.32 | 1.4 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |
| Aroclor 1254 | 0.32 | 1.4 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |
| Aroclor 1260 | 0.32 | 1.4 | -- | ND | N/A | N/A | N/A | ND | ND | N/A | ND | N/A | N/A | ND |

Notes: (**) Arsenic set by MDE as Site-Specific Concentration

N/A = Not Laboratory Analyzed

ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE) Cleanup Standards for

Soil and Groundwater, June 2008. Interim Final Guidance (update No.2.1).

(j) Lab Estimate Below Calibration Curve

ft = foot/feet

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

ppm = part per million

ppm = part per million

(ul), (k), (l) see validation results

Indicates Result At or Above MDE Residential Cleanup Standard or Site-Specific 6.0 mg/kg arsenic cleanup standard

NTCB AOC 45c (Firing Range #404) VOC and SVOC Sample Results

| Date Sample Collected: | | | 5/17/2010 | 5/17/2010 |
|---|---|---|--|------------|
| Sample Number: | | | AOC-45c-16 | AOC-45c-39 |
| Sample Depth: | | | 0-2 ft | 0-2 ft |
| Matrix: | | | Soil | Soil |
| Analyte | MDE Residential Soil Cleanup Standard ($\mu\text{g}/\text{kg}$) | MDE Non-Residential Soil Cleanup Standard ($\mu\text{g}/\text{kg}$) | VOC Lab Results - $\mu\text{g}/\text{kg}$ (or ppb) | |
| Chloromethane | -- | -- | ND | ND |
| Vinyl Chloride (early life) ^a | 90 | -- | ND | ND |
| Vinyl Chloride (adult) ^a | -- | 4,000 | ND | ND |
| Bromomethane | 11,000 | 140,000 | ND | ND |
| Chloroethane | 220,000 | 990,000 | ND | ND |
| Acetone | 7,000,000 | 92,000,000 | 49 | ND |
| 1,1-Dichloroethene | 390,000 | 5,100,000 | ND | ND |
| Methylene Chloride (Dichloromethane) | 85,000 | 380,000 | ND | ND |
| trans-1,2-Dichloroethene | 160,000 | 2,000,000 | ND | ND |
| Methyl tert-butyl ether (MTBE) ^c | 160,000 | 720,000 | ND | ND |
| 1,1-Dichloroethane | 1,600,000 | 20,000,000 | ND | ND |
| 2-Butanone (Methyl Ethyl Ketone) | 4,700,000 | 61,000,000 | ND[r] | ND[r] |
| cis-1,2-Dichloroethene | 78,000 | 1,000,000 | ND | ND |
| Chloroform (THM) ^b | 78,000 | 1,000,000 | ND | ND |
| 1,1,1-Trichloroethane | 16,000,000 | 200,000,000 | ND | ND |
| 1,2-Dichloroethane | 7,000 | 31,000 | ND | ND |
| Carbon Tetrachloride | 4,900 | 22,000 | ND | ND |
| Benzene | 12,000 | 52,000 | ND | ND |
| 1,2-Dichloropropane | 9,400 | 42,000 | ND | ND |
| Carbon Disulfide | 780,000 | 10,000,000 | ND | ND |
| Trichloroethene | 1,600 | 7,200 | ND | ND |
| Bromodichloromethane (THM) ^b | 10,000 | 46,000 | ND | ND |
| cis-1,3-Dichloropropene | 6,400 | 29,000 | ND | ND |
| 4-Methyl-2-pentanone (Methyl Isobutyl Ketone) | -- | -- | ND[r] | ND[r] |
| trans-1,3-Dichloropropene | 6,400 | 29,000 | ND | ND |
| 1,1,2-Trichloroethane | 11,000 | 50,000 | ND | ND |
| Toluene | 630,000 | 8,200,000 | ND | ND |
| 1,2-Dibromoethane (Ethylene Dibromide, EDB) | 320 | 1,400 | ND | ND |
| Dibromochloromethane (THM) ^b | 7,600 | 34,000 | ND | ND |
| Bromoform (THM) ^b | 81,000 | 360,000 | ND | ND |
| Tetrachloroethene | 1,200 | 5,300 | ND | ND |
| Chlorobenzene | 160,000 | 2,000,000 | ND | ND |
| Ethylbenzene | 780,000 | 10,000,000 | ND | ND |
| m,p-Xylenes | 1,600,000 | 20,000,000 | ND | ND |
| Styrene | 1,600,000 | 20,000,000 | ND | ND |
| 1,1,2,2-Tetrachloroethane | 3,200 | 14,000 | ND | ND |
| o-Xylenes | 1,600,000 | 20,000,000 | ND | ND |
| Isopropylbenzene (Cumene) | 780,000 | 10,000,000 | ND | ND |
| n-Propylbenzene | -- | -- | ND | ND |
| 1,3,5-Trimethylbenzene | -- | -- | ND | ND |
| 1,2,4-Trimethylbenzene | -- | -- | ND | ND |
| n-Butylbenzene | -- | -- | ND | ND |
| 1,2-Dibromo-3-chloropropane | -- | -- | ND | ND |

Notes:

ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE) Cleanup Standards for
Soil and Groundwater, June 2008. Interim Final Guidance (update No.2.1).

a = Carcinogenic chemicals with a Mutagenic Mode of Action (MOA).

b = THM (trihalomethanes) Contaminants within this group are disinfection byproducts sometimes added to drinking water.

c = MTBE action level in Maryland is 20 $\mu\text{g}/\text{L}$

$\mu\text{g}/\text{kg}$ = microgram per kilogram

ft = foot/feet

ppb = part per billion

[r] see validation results

Indicates Result Rejected By Validator

| Date Sample Collected: | | | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 | 5/17/2010 |
|--------------------------------------|---|---|---|------------|------------|------------------------------------|------------|
| Sample Number: | | | AOC-45c-3 | AOC-45c-23 | AOC-45c-27 | AOC-45c-DUP-01 (Dup of AOC-45C-27) | AOC-45c-43 |
| Sample Depth: | | | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft | 0-2 ft |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil |
| Analyte | MDE Residential Soil Cleanup Standard ($\mu\text{g}/\text{kg}$) | MDE Non-Residential Soil Cleanup Standard ($\mu\text{g}/\text{kg}$) | SVOC Lab Results - $\mu\text{g}/\text{kg}$ (or ppb) | | | | |
| Acenaphthene | 470,000 | 6,100,000 | 160 (j) | 380 | ND | ND | ND |
| Acenaphthylene | 470,000 | 6,100,000 | ND | ND | ND | ND | ND |
| Anthracene | 2,300,000 | 31,000,000 | 150 (j) | 520 | ND | ND | ND |
| Benzo[a]anthracene ^a | 220 | 3,900 | 400 | 1,300 | ND | ND | ND |
| Benzo[a]pyrene ^a | 22 | 390 | 360 | 1,300 | ND | ND | ND |
| Benzo[b]fluoranthene ^a | 220 | 3,900 | 330 | 1,400 | ND | ND | ND |
| Benzo[g,h,i]perylene | 230,000 | 3,100,000 | 270(j) | 790 | ND | ND | ND |
| Benzo[k]fluoranthene ^a | 2,200 | 39,000 | 270 | 1,100 | ND | ND | ND |
| bis(2-Chloroethyl)ether | 580 | 2,600 | ND | ND | ND | ND | ND |
| Bis(2-Chloroisopropyl)ether | 9,100 | 41,000 | ND | ND | ND | ND | ND |
| bis(2-Ethylhexyl)phthalate | 46,000 | 200,000 | ND | ND | ND | ND | ND |
| Di-n-butylphthalate | 780,000 | 10,000,000 | ND | ND | ND | ND | ND |
| Carbazole | 32,000 | 140,000 | ND | 230 | ND | ND | ND |
| 4-Chloroaniline | 31,000 | 410,000 | ND | ND | ND | ND | ND |
| 2-Chloronaphthalene | 630,000 | 8,200,000 | ND | ND | ND | ND | ND |
| 2-Chlorophenol | 39,000 | 510,000 | ND | ND | ND | ND | ND |
| Chrysene ^a | 22,000 | 390,000 | 430 | 1,400 | ND | ND | ND |
| Diben[a,h]anthracene ^a | 22 | 390 | 63(j) | 160 | ND | ND | ND |
| Dibenofuran | 7,800 | 100,000 | ND | 110 (j) | ND | ND | ND |
| 1,2-Dichlorobenzene | 700,000 | 9,200,000 | ND | ND | ND | ND | ND |
| 1,3-Dichlorobenzene | 23,000 | 310,000 | ND | ND | ND | ND | ND |
| 1,4-Dichlorobenzene | 27,000 | 120,000 | ND | ND | ND | ND | ND |
| 3,3-Dichlorobenzidine | 1,400 | 6,400 | ND | ND | ND | ND | ND |
| 2,4-Dichlorophenol | 23,000 | 310,000 | ND | ND | ND | ND | ND |
| Diethylphthalate | 6,300,000 | 82,000,000 | ND | ND | ND | ND | ND |
| 2,4-Dimethylphenol | 160,000 | 2,000,000 | ND | ND | ND | ND | ND |
| 2,4-Dinitrophenol | 16,000 | 200,000 | ND | ND | ND | ND | ND |
| 2,4-Dinitrotoluene | 16,000 | 200,000 | ND | ND | ND | ND | ND |
| 2,6-Dinitrotoluene | 7,800 | 100,000 | ND | ND | ND | ND | ND |
| Fluoranthene | 310,000 | 4,100,000 | 740 | 2,800 | ND | ND | ND |
| Fluorene | 310,000 | 4,100,000 | 140 (j) | 220 | ND | ND | ND |
| Hexachlorobenzene | 400 | 1,800 | ND | ND | ND | ND | ND |
| Hexachlorobutadiene | 8,200 | 37,000 | ND | ND | ND | ND | ND |
| Hexachlorocyclopentadiene | 47,000 | 610,000 | ND | ND | ND | ND | ND |
| Hexachloroethane | 46,000 | 200,000 | ND | ND | ND | ND | ND |
| Indeno[1,2,3-c,d]pyrene ^a | 220 | 3,900 | 260(j) | 770 | ND | ND | ND |
| Isophorone | 670,000 | 3,000,000 | ND | ND | ND | ND | ND |
| 2-Methylnaphthalene | 31,000 | 410,000 | 100 (j) | ND | ND | ND | ND |
| 2-Methylphenol | 390,000 | 5,100,000 | ND | ND | ND | ND | ND |
| 4-Methylphenol | 39,000 | 510,000 | ND | ND | ND | ND | ND |
| Naphthalene | 160,000 | 2,000,000 | 110 (j) | ND | ND | ND | ND |
| Nitrobenzene | 3,900 | 51,000 | ND | ND | ND | ND | ND |
| N-Nitrosodiphenylamine | 130,000 | 580,000 | ND | ND | ND | ND | ND |
| Pentachlorophenol | 5,300 | 24,000 | ND | ND | ND | ND | ND |
| Phenanthrene | 2,300,000 | 31,000,000 | 910 | 2,200 | ND | ND | ND |
| Phenol | 2,300,000 | 31,000,000 | ND | ND | ND | ND | |

Attachment C
Laboratory Results

Analytical Report for

ARGO Systems

Certificate of Analysis No.: 10051811

Project Manager: (b) (4)

Project Name : NTCB

Project Location: Port Deposit

Project ID : 1462309



May 28, 2010

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

OFFICES:
6630 BALTIMORE NATIONAL
PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047

PHASE SEPARATION SCIENCE, INC.



May 28, 2010

(b) (4)

ARGO Systems

1403 Madison Park Dr., Ste. 205
Glen Burnie, MD 21061

Reference: PSS Work Order No: **10051811**

Project Name : NTCB

Project Location: Port Deposit

Project ID.: 1462309

Dear (b) (4) :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10051811**.

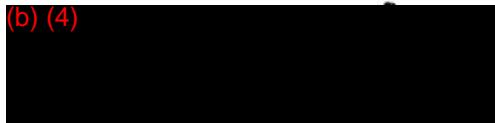
All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on June 22, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

(b) (4)



Laboratory Manager



Case Narrative Summary

Client Name: ARGO Systems
Project Name: NTCB

Project ID: 1462309

Work Order Number: 10051811

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/18/2010 at 04:15 pm

| Lab Sample Id | Sample Id | Matrix | Date/Time Collected |
|---------------|--------------------|--------|---------------------|
| 10051811-001 | AOC-45c-16 | SOIL | 05/17/2010 09:40 |
| 10051811-002 | AOC-45c-39 | SOIL | 05/17/2010 11:05 |
| 10051811-003 | AOC-35-27 | SOIL | 05/17/2010 15:15 |
| 10051811-004 | AOC-35-26 | SOIL | 05/17/2010 15:00 |
| 10051811-005 | AOC-35-24 | SOIL | 05/17/2010 13:30 |
| 10051811-006 | AOC-35-25 | SOIL | 05/17/2010 13:15 |
| 10051811-007 | AOC-35-21 | SOIL | 05/17/2010 14:35 |
| 10051811-008 | AOC-35-23 | SOIL | 05/17/2010 14:00 |
| 10051811-009 | AOC-35-22 | SOIL | 05/17/2010 14:15 |
| 10051811-010 | AOC-35-20 MS/MSD | SOIL | 05/17/2010 11:15 |
| 10051811-011 | AOC-45c-43 | SOIL | 05/17/2010 11:40 |
| 10051811-012 | AOC-45c-27 | SOIL | 05/17/2010 10:50 |
| 10051811-013 | AOC-45c-23 | SOIL | 05/17/2010 09:25 |
| 10051811-014 | AOC-45c-3 | SOIL | 05/17/2010 10:05 |
| 10051811-015 | AOC-45c-DUP-01 | SOIL | 05/17/2010 00:00 |
| 10051811-016 | AOC-35-17 | SOIL | 05/17/2010 10:05 |
| 10051811-017 | AOC-35-16 | SOIL | 05/17/2010 09:40 |
| 10051811-018 | AOC-35-11 | SOIL | 05/17/2010 09:20 |
| 10051811-019 | AOC-35-12 | SOIL | 05/17/2010 09:00 |
| 10051811-020 | AOC-35-19 | SOIL | 05/17/2010 10:50 |
| 10051811-021 | AOC-35-18 | SOIL | 05/17/2010 10:30 |
| 10051811-022 | DUP-AOC-35-0-2 | SOIL | 05/17/2010 00:00 |
| 10051811-023 | AOC-45a-47 | SOIL | 05/14/2010 10:45 |
| 10051811-024 | AOC-45a-44 MS/MSD | SOIL | 05/14/2010 11:15 |
| 10051811-025 | AOC-1a (689)-1/0-2 | SOIL | 05/13/2010 11:15 |
| 10051811-026 | AOC-45a-17 | SOIL | 05/13/2010 11:00 |
| 10051811-027 | AOC-45a-69 | SOIL | 05/13/2010 14:15 |
| 10051811-028 | AOC-45a-Dup-01 | SOIL | 05/14/2010 00:00 |

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].



Case Narrative Summary

Client Name: ARGO Systems

Project Name: NTCB

Project ID: 1462309

Work Order Number: 10051811

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-16 | Date/Time Sampled: 05/17/2010 09:40 | | | PSS Sample ID: 10051811-001 | | | | | |
|--------------------------------|---|--------------|-----------|------------------------------------|------------|---------------------------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 82 | | | |
| VCP Volatile Organic Compounds | Analytical Method: SW846 8260B | | | | | Preparation Method: SW846 5035A | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Chloromethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Vinyl Chloride | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Bromomethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Chloroethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Acetone | 49 | ug/kg | 21 | 1 | 11 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,1-Dichloroethene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Methylene Chloride | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| trans-1,2-Dichloroethene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Methyl-t-butyl ether | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,1-Dichloroethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 2-Butanone | ND | ug/kg | 21 | 1 | 11 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| cis-1,2-Dichloroethene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Chloroform | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,1,1-Trichloroethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,2-Dichloroethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Carbon Tetrachloride | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Benzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,2-Dichloropropane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Carbon Disulfide | ND | ug/kg | 11 | 1 | 5.3 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Trichloroethene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Bromodichloromethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| cis-1,3-Dichloropropene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 4-Methyl-2-Pentanone | ND | ug/kg | 21 | 1 | 11 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| trans-1,3-Dichloropropene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,1,2-Trichloroethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Toluene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,2-Dibromoethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Dibromochloromethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Bromoform | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Tetrachloroethene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-16 | Date/Time Sampled: 05/17/2010 09:40 | | | PSS Sample ID: 10051811-001 | | | | | |
|--------------------------------|---|--------------|-----------|------------------------------------|------------|---------------------------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | % Solids: 82 | | | | | |
| VCP Volatile Organic Compounds | Analytical Method: SW846 8260B | | | | | Preparation Method: SW846 5035A | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Chlorobenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Ethylbenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| m,p-Xylenes | ND | ug/kg | 11 | 1 | 5.3 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Styrene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| o-Xylene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| Isopropylbenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| n-Propylbenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| n-Butylbenzene | ND | ug/kg | 5 | 1 | 2.6 | 05/20/10 | 05/20/10 18:17 | 1011 | |
| 1,2-Dibromo-3-Chloropropane | ND | ug/kg | 42 | 1 | 21 | 05/20/10 | 05/20/10 18:17 | 1011 | |

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-39 | Date/Time Sampled: 05/17/2010 11:05 | | | PSS Sample ID: 10051811-002 | | | | |
|--------------------------------|---|--------------|-----------|------------------------------------|------------|---------------------------------|-----------------|-----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 82 | | |
| VCP Volatile Organic Compounds | Analytical Method: SW846 8260B | | | | | Preparation Method: SW846 5035A | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed |
| Chloromethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Vinyl Chloride | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Bromomethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Chloroethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Acetone | ND | ug/kg | 19 | 1 | 9.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,1-Dichloroethene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Methylene Chloride | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| trans-1,2-Dichloroethene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Methyl-t-butyl ether | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,1-Dichloroethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 2-Butanone | ND | ug/kg | 19 | 1 | 9.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| cis-1,2-Dichloroethene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Chloroform | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,1,1-Trichloroethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,2-Dichloroethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Carbon Tetrachloride | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Benzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,2-Dichloropropane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Carbon Disulfide | ND | ug/kg | 9 | 1 | 4.7 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Trichloroethene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Bromodichloromethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| cis-1,3-Dichloropropene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 4-Methyl-2-Pentanone | ND | ug/kg | 19 | 1 | 9.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| trans-1,3-Dichloropropene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,1,2-Trichloroethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Toluene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| 1,2-Dibromoethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Dibromochloromethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Bromoform | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |
| Tetrachloroethene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 |

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| | | |
|------------------------------|---|------------------------------------|
| Sample ID: AOC-45c-39 | Date/Time Sampled: 05/17/2010 11:05 | PSS Sample ID: 10051811-002 |
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | % Solids: 82 |

| VCP Volatile Organic Compounds | Analytical Method: SW846 8260B | | | | | Preparation Method: SW846 5035A | | | |
|--------------------------------|--------------------------------|-------|----|------|-----|---------------------------------|----------------|----------|---------|
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Chlorobenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| Ethylbenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| m,p-Xylenes | ND | ug/kg | 9 | 1 | 4.7 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| Styrene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| o-Xylene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| Isopropylbenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| n-Propylbenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| n-Butylbenzene | ND | ug/kg | 5 | 1 | 2.3 | 05/20/10 | 05/20/10 18:46 | 1011 | |
| 1,2-Dibromo-3-Chloropropane | ND | ug/kg | 37 | 1 | 19 | 05/20/10 | 05/20/10 18:46 | 1011 | |

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-43 | Date/Time Sampled: 05/17/2010 11:40 | | PSS Sample ID: 10051811-011 | | | | | | |
|-------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 88 | | | | | | |
| VCP Organochlorine Pesticides | Analytical Method: SW846 8081B | | | | Preparation Method: SW846 3550 | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| 4,4-DDD | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| 4,4-DDE | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| 4,4-DDT | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Aldrin | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| alpha-BHC | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| alpha-Chlordane | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| beta-BHC | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| delta-BHC | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Dieldrin | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Endosulfan I | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Endosulfan II | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Endosulfan sulfate | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Endrin | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Endrin aldehyde | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Endrin ketone | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| gamma-BHC (Lindane) | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| gamma-Chlordane | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Heptachlor | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Heptachlor epoxide | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Methoxychlor | ND | ug/kg | 22 | | 1 | 11 | 05/20/10 | 05/21/10 19:34 | 1029 |
| Toxaphene | ND | ug/kg | 220 | | 1 | 110 | 05/20/10 | 05/21/10 19:34 | 1029 |

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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-43 | Date/Time Sampled: 05/17/2010 11:40 | | | | | PSS Sample ID: 10051811-011 | | | |
|------------------------------|---|-------|------|-----|-----|------------------------------------|----------------|---------|--|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 88 | | | |
| Polychlorinated Biphenyls | Analytical Method: SW846 8082A | | | | | Preparation Method: SW846 3550 | | | |
| | | | | | | Clean up Method: SW846 3665A | | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| PCB-1016 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |
| PCB-1221 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |
| PCB-1232 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |
| PCB-1242 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |
| PCB-1248 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |
| PCB-1254 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |
| PCB-1260 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:04 | 1029 | |

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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| | | |
|------------------------------|---|------------------------------------|
| Sample ID: AOC-45c-43 | Date/Time Sampled: 05/17/2010 11:40 | PSS Sample ID: 10051811-011 |
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | % Solids: 88 |

| | | |
|------------------------------------|--------------------------------|--------------------------------|
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | Preparation Method: SW846 3550 |
|------------------------------------|--------------------------------|--------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|------------------------------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Acenaphthene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Acenaphthylene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Anthracene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Benzo(a)anthracene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Benzo(a)pyrene | ND | ug/kg | 26 | 1 | 26 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Benzo(b)fluoranthene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Benzo(k)fluoranthene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| bis(2-chloroethyl) ether | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| bis(2-chloroisopropyl) ether | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| bis(2-ethylhexyl) phthalate | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Di-n-butyl phthalate | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Carbazole | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 4-Chloroaniline | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2-Chloronaphthalene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2-Chlorophenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Chrysene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Dibenz(a,h)Anthracene | ND | ug/kg | 26 | 1 | 26 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Dibenzofuran | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 3,3-Dichlorobenzidine | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,4-Dichlorophenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Diethyl phthalate | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,4-Dimethylphenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,4-Dinitrophenol | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,4-Dinitrotoluene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,6-Dinitrotoluene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Fluoranthene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |

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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-43 | Date/Time Sampled: 05/17/2010 11:40 | | PSS Sample ID: 10051811-011 | | | | | | |
|------------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 88 | | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Fluorene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Hexachlorobenzene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Hexachlorobutadiene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Hexachlorocyclopentadiene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Hexachloroethane | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Indeno(1,2,3-c,d)Pyrene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Isophorone | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2-Methylnaphthalene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2-Methyl phenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 3&4-Methylphenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Naphthalene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Nitrobenzene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| N-Nitrosodi-n-propyl amine | ND | ug/kg | 76 | 1 | 38 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| N-Nitrosodiphenylamine | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Pentachlorophenol | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Phenanthrene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Phenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Pyrene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| Bis(2-ethylhexyl)adipate | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,4,6-Trichlorophenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |
| 2,4,5-Trichlorophenol | ND | ug/kg | 190 | 1 | 94 | 05/20/10 | 05/20/10 17:08 | 1014 | |

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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-27 | Date/Time Sampled: 05/17/2010 10:50 | | | | | PSS Sample ID: 10051811-012 | | | |
|------------------------------|--------------------------------------|-------|------|-----|-----|--------------------------------|----------------|---------|--|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 88 | | | |
| Polychlorinated Biphenyls | Analytical Method: SW846 8082A | | | | | Preparation Method: SW846 3550 | | | |
| | | | | | | Clean up Method: SW846 3665A | | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| PCB-1016 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |
| PCB-1221 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |
| PCB-1232 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |
| PCB-1242 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |
| PCB-1248 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |
| PCB-1254 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |
| PCB-1260 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 13:33 | 1029 | |

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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-27 | Date/Time Sampled: 05/17/2010 10:50 | | | PSS Sample ID: 10051811-012 | | | | | |
|------------------------------------|--------------------------------------|-------|-----|-----------------------------|--------------------------------|----------|----------------|----------|---------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | % Solids: 88 | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Acenaphthene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Acenaphthylene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Anthracene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Benzo(a)anthracene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Benzo(a)pyrene | ND | ug/kg | 26 | 1 | 26 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Benzo(b)fluoranthene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Benzo(k)fluoranthene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| bis(2-chloroethyl) ether | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| bis(2-chloroisopropyl) ether | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| bis(2-ethylhexyl) phthalate | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Di-n-butyl phthalate | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Carbazole | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 4-Chloroaniline | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2-Chloronaphthalene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2-Chlorophenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Chrysene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Dibenz(a,h)Anthracene | ND | ug/kg | 26 | 1 | 26 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Dibenzofuran | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 3,3-Dichlorobenzidine | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,4-Dichlorophenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Diethyl phthalate | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,4-Dimethylphenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,4-Dinitrophenol | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,4-Dinitrotoluene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,6-Dinitrotoluene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Fluoranthene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |

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ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-27 | Date/Time Sampled: 05/17/2010 10:50 | | PSS Sample ID: 10051811-012 | | | | | | |
|------------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 88 | | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Fluorene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Hexachlorobenzene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Hexachlorobutadiene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Hexachlorocyclopentadiene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Hexachloroethane | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Indeno(1,2,3-c,d)Pyrene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Isophorone | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2-Methylnaphthalene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2-Methyl phenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 3&4-Methylphenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Naphthalene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Nitrobenzene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| N-Nitrosodi-n-propyl amine | ND | ug/kg | 76 | 1 | 38 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| N-Nitrosodiphenylamine | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Pentachlorophenol | ND | ug/kg | 380 | 1 | 190 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Phenanthrene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Phenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Pyrene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| Bis(2-ethylhexyl)adipate | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,4,6-Trichlorophenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |
| 2,4,5-Trichlorophenol | ND | ug/kg | 190 | 1 | 95 | 05/20/10 | 05/20/10 19:27 | 1014 | |

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6630 BALTIMORE NATIONAL PIKE
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BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-23 | Date/Time Sampled: 05/17/2010 09:25 | | PSS Sample ID: 10051811-013 | | | | | | |
|-------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 83 | | | | | | |
| VCP Organochlorine Pesticides | Analytical Method: SW846 8081B | | | | Preparation Method: SW846 3550 | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| 4,4-DDD | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| 4,4-DDE | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| 4,4-DDT | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Aldrin | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| alpha-BHC | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| alpha-Chlordane | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| beta-BHC | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| delta-BHC | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Dieldrin | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Endosulfan I | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Endosulfan II | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Endosulfan sulfate | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Endrin | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Endrin aldehyde | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Endrin ketone | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| gamma-BHC (Lindane) | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| gamma-Chlordane | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Heptachlor | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Heptachlor epoxide | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Methoxychlor | ND | ug/kg | 120 | | 5 | 59 | 05/20/10 | 05/21/10 18:38 | 1029 |
| Toxaphene | ND | ug/kg | 1,200 | | 5 | 590 | 05/20/10 | 05/21/10 18:38 | 1029 |

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-23 | Date/Time Sampled: 05/17/2010 09:25 | | | | | PSS Sample ID: 10051811-013 | | | |
|------------------------------|---|-------|------|-----|-----|------------------------------------|----------------|---------|--|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 83 | | | |
| Polychlorinated Biphenyls | Analytical Method: SW846 8082A | | | | | Preparation Method: SW846 3550 | | | |
| | | | | | | Clean up Method: SW846 3665A | | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| PCB-1016 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |
| PCB-1221 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |
| PCB-1232 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |
| PCB-1242 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |
| PCB-1248 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |
| PCB-1254 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |
| PCB-1260 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:02 | 1029 | |

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-23 | Date/Time Sampled: 05/17/2010 09:25 | | PSS Sample ID: 10051811-013 | | | | | | |
|------------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 83 | | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | | | | | | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Acenaphthene | 380 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Acenaphthylene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Anthracene | 520 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Benzo(a)anthracene | 1,300 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Benzo(a)pyrene | 1,300 | ug/kg | 28 | | 1 | 28 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Benzo(b)fluoranthene | 1,400 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Benzo(g,h,i)perylene | 790 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Benzo(k)fluoranthene | 1,100 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| bis(2-chloroethyl) ether | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| bis(2-chloroisopropyl) ether | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| bis(2-ethylhexyl) phthalate | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Di-n-butyl phthalate | ND | ug/kg | 400 | | 1 | 200 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Carbazole | 230 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 4-Chloroaniline | ND | ug/kg | 400 | | 1 | 200 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2-Chloronaphthalene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2-Chlorophenol | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Chrysene | 1,400 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Dibenz(a,h)Anthracene | 160 | ug/kg | 28 | | 1 | 28 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Dibenzofuran | 110 | ug/kg | 200 | J | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 1,2-Dichlorobenzene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 1,3-Dichlorobenzene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 1,4-Dichlorobenzene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 3,3-Dichlorobenzidine | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2,4-Dichlorophenol | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Diethyl phthalate | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2,4-Dimethylphenol | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2,4-Dinitrophenol | ND | ug/kg | 400 | | 1 | 200 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2,4-Dinitrotoluene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| 2,6-Dinitrotoluene | ND | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |
| Fluoranthene | 2,800 | ug/kg | 200 | | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 |

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-23 | Date/Time Sampled: 05/17/2010 09:25 | | PSS Sample ID: 10051811-013 | | | | | | |
|------------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 83 | | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | | | | | | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Fluorene | 220 | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Hexachlorobenzene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Hexachlorobutadiene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Hexachlorocyclopentadiene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Hexachloroethane | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Indeno(1,2,3-c,d)Pyrene | 770 | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Isophorone | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| 2-Methylnaphthalene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| 2-Methyl phenol | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| 3&4-Methylphenol | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Naphthalene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Nitrobenzene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| N-Nitrosodi-n-propyl amine | ND | ug/kg | 80 | 1 | 40 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| N-Nitrosodiphenylamine | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Pentachlorophenol | ND | ug/kg | 400 | 1 | 200 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Phenanthrene | 2,200 | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Phenol | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Pyrene | 2,800 | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| Bis(2-ethylhexyl)adipate | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| 2,4,6-Trichlorophenol | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |
| 2,4,5-Trichlorophenol | ND | ug/kg | 200 | 1 | 100 | 05/20/10 | 05/20/10 18:03 | 1014 | |

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6630 BALTIMORE NATIONAL PIKE
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410-747-8770
800-932-9047
FAX 410-788-8723

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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-3 | Date/Time Sampled: 05/17/2010 10:05 | | | | | PSS Sample ID: 10051811-014 | | | |
|-----------------------------|--------------------------------------|-------|------|-----|-----|--------------------------------|----------------|---------|--|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 90 | | | |
| Polychlorinated Biphenyls | Analytical Method: SW846 8082A | | | | | Preparation Method: SW846 3550 | | | |
| | | | | | | Clean up Method: SW846 3665A | | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| PCB-1016 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |
| PCB-1221 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |
| PCB-1232 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |
| PCB-1242 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |
| PCB-1248 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |
| PCB-1254 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |
| PCB-1260 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 14:31 | 1029 | |

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ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-3 | Date/Time Sampled: 05/17/2010 10:05 | | PSS Sample ID: 10051811-014 | | | | | | |
|------------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 90 | | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Acenaphthene | 160 | ug/kg | 180 | J | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Acenaphthylene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Anthracene | 150 | ug/kg | 180 | J | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Benzo(a)anthracene | 400 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Benzo(a)pyrene | 360 | ug/kg | 26 | | 1 | 26 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Benzo(b)fluoranthene | 330 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Benzo(g,h,i)perylene | 270 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Benzo(k)fluoranthene | 270 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| bis(2-chloroethyl) ether | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| bis(2-chloroisopropyl) ether | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| bis(2-ethylhexyl) phthalate | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Di-n-butyl phthalate | ND | ug/kg | 370 | | 1 | 180 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Carbazole | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 4-Chloroaniline | ND | ug/kg | 370 | | 1 | 180 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2-Chloronaphthalene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2-Chlorophenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Chrysene | 430 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Dibenz(a,h)Anthracene | 63 | ug/kg | 26 | | 1 | 26 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Dibenzofuran | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 1,2-Dichlorobenzene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 1,3-Dichlorobenzene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 1,4-Dichlorobenzene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 3,3-Dichlorobenzidine | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,4-Dichlorophenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Diethyl phthalate | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,4-Dimethylphenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,4-Dinitrophenol | ND | ug/kg | 370 | | 1 | 180 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,4-Dinitrotoluene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,6-Dinitrotoluene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Fluoranthene | 740 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-3 | Date/Time Sampled: 05/17/2010 10:05 | | PSS Sample ID: 10051811-014 | | | | | | |
|------------------------------------|---|--------------|------------------------------------|-------------|--------------------------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | % Solids: 90 | | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | | Preparation Method: SW846 3550 | | | | |
| | | | | | | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Fluorene | 140 | ug/kg | 180 | J | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Hexachlorobenzene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Hexachlorobutadiene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Hexachlorocyclopentadiene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Hexachloroethane | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Indeno(1,2,3-c,d)Pyrene | 260 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Isophorone | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2-Methylnaphthalene | 100 | ug/kg | 180 | J | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2-Methyl phenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 3&4-Methylphenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Naphthalene | 110 | ug/kg | 180 | J | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Nitrobenzene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| N-Nitrosodi-n-propyl amine | ND | ug/kg | 74 | | 1 | 37 | 05/21/10 | 05/21/10 21:42 | 1014 |
| N-Nitrosodiphenylamine | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Pentachlorophenol | ND | ug/kg | 370 | | 1 | 180 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Phenanthrene | 910 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Phenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Pyrene | 920 | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| Bis(2-ethylhexyl)adipate | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,4,6-Trichlorophenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |
| 2,4,5-Trichlorophenol | ND | ug/kg | 180 | | 1 | 92 | 05/21/10 | 05/21/10 21:42 | 1014 |

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-DUP-01 | Date/Time Sampled: 05/17/2010 00:00 | | | PSS Sample ID: 10051811-015 | | | | | |
|----------------------------------|---|--------------|-----------|------------------------------------|------------|--------------------------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 90 | | | |
| VCP Organochlorine Pesticides | Analytical Method: SW846 8081B | | | | | Preparation Method: SW846 3550 | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| 4,4-DDD | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| 4,4-DDE | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| 4,4-DDT | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Aldrin | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| alpha-BHC | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| alpha-Chlordane | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| beta-BHC | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| delta-BHC | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Dieldrin | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Endosulfan I | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Endosulfan II | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Endosulfan sulfate | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Endrin | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Endrin aldehyde | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Endrin ketone | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| gamma-BHC (Lindane) | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| gamma-Chlordane | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Heptachlor | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Heptachlor epoxide | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Methoxychlor | ND | ug/kg | 110 | | 5 | 54 | 05/20/10 | 05/21/10 19:06 | 1029 |
| Toxaphene | ND | ug/kg | 1,100 | | 5 | 540 | 05/20/10 | 05/21/10 19:06 | 1029 |

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ROUTE 40 WEST
BALTIMORE, MD 21228
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800-932-9047
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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-DUP-01 | Date/Time Sampled: 05/17/2010 00:00 | | | | PSS Sample ID: 10051811-015 | | | | |
|----------------------------------|---|-------|------|-----|------------------------------------|--------------------------------|----------------|---------|--|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | | | % Solids: 90 | | | |
| Polychlorinated Biphenyls | Analytical Method: SW846 8082A | | | | | Preparation Method: SW846 3550 | | | |
| | | | | | | Clean up Method: SW846 3665A | | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| PCB-1016 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |
| PCB-1221 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |
| PCB-1232 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |
| PCB-1242 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |
| PCB-1248 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |
| PCB-1254 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |
| PCB-1260 | ND | mg/kg | 0.1 | 1 | 0.1 | 05/21/10 | 05/24/10 15:30 | 1029 | |

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6630 BALTIMORE NATIONAL PIKE
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CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| | | |
|----------------------------------|---|------------------------------------|
| Sample ID: AOC-45c-DUP-01 | Date/Time Sampled: 05/17/2010 00:00 | PSS Sample ID: 10051811-015 |
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | % Solids: 90 |

| | | |
|------------------------------------|--------------------------------|--------------------------------|
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | Preparation Method: SW846 3550 |
|------------------------------------|--------------------------------|--------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|------------------------------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Acenaphthene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Acenaphthylene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Anthracene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Benzo(a)anthracene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Benzo(a)pyrene | ND | ug/kg | 25 | 1 | 25 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Benzo(b)fluoranthene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Benzo(k)fluoranthene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| bis(2-chloroethyl) ether | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| bis(2-chloroisopropyl) ether | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| bis(2-ethylhexyl) phthalate | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Di-n-butyl phthalate | ND | ug/kg | 360 | 1 | 180 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Carbazole | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 4-Chloroaniline | ND | ug/kg | 360 | 1 | 180 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2-Chloronaphthalene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2-Chlorophenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Chrysene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Dibenz(a,h)Anthracene | ND | ug/kg | 25 | 1 | 25 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Dibenzofuran | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 1,2-Dichlorobenzene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 1,3-Dichlorobenzene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 1,4-Dichlorobenzene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 3,3-Dichlorobenzidine | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,4-Dichlorophenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Diethyl phthalate | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,4-Dimethylphenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,4-Dinitrophenol | ND | ug/kg | 360 | 1 | 180 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,4-Dinitrotoluene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,6-Dinitrotoluene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Fluoranthene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10051811

ARGO Systems, Glen Burnie, MD

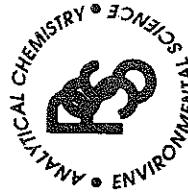
May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

| Sample ID: AOC-45c-DUP-01 | Date/Time Sampled: 05/17/2010 00:00 | | | PSS Sample ID: 10051811-015 | | | | | |
|------------------------------------|---|--------------|-----------|------------------------------------|------------|------------|-----------------|-----------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/18/2010 16:15 | | | % Solids: 90 | | | | | |
| VCP Semivolatile Organic Compounds | Analytical Method: SW846 8270C | | | Preparation Method: SW846 3550 | | | | | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Fluorene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Hexachlorobenzene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Hexachlorobutadiene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Hexachlorocyclopentadiene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Hexachloroethane | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Indeno(1,2,3-c,d)Pyrene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Isophorone | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2-Methylnaphthalene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2-Methyl phenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 3&4-Methylphenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Naphthalene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Nitrobenzene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| N-Nitrosodi-n-propyl amine | ND | ug/kg | 72 | 1 | 36 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| N-Nitrosodiphenylamine | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Pentachlorophenol | ND | ug/kg | 360 | 1 | 180 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Phenanthrene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Phenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Pyrene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| Bis(2-ethylhexyl)adipate | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 1,2,4-Trichlorobenzene | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,4,6-Trichlorophenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |
| 2,4,5-Trichlorophenol | ND | ug/kg | 180 | 1 | 90 | 05/21/10 | 05/21/10 22:11 | 1014 | |



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| | | | | | | | |
|------------------------------------|--------------------------------------|-------------------------------|--|----------------------------------|---|---------------------------|--|
| ① CLIENT: EPA | | OFFICE LOC. SPARKS, MD | | PSS Work Order # 10051811 | | PAGE 1 OF 3 | |
| PROJECT MGR: | PHONE NO.: (410) 329-5114 | Matrix Codes: | SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil ML=Waste Liquid WS=Waste Solid W=Wire | No. | C | SAMPLE TYPE | Preservatives Used |
| EMAIL: | (40) Request Fax No.: (410) 771-4901 | ③ | Analysis/Method Required | O | T | C = COMP | |
| PROJECT NAME: NSTOS | PROJECT NO.: 14022001 | | | N | A | G = GRAB | |
| SITE LOCATION: Port Deposit | P.O. NO.: | | | I | R | S | |
| SAMPLERS: | (b) | | | | | | REMARKS |
| ② LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX (See Codes) | | | |
| 1 | AOC-45C-16 | 5/17/10 | 0940 | S | 9 | G | X |
| 2 | AOC-45C-39 | | 1105 | | 9 | | X |
| 3 | AOC-35-27 | | 1515 | | 9 | | X |
| 4 | AOC-35-20 | | 1500 | | 9 | | X |
| 5 | AOC-35-24 | | 1330 | | 9 | | X |
| 6 | AOC-35-25 | | 1315 | | | | X |
| 7 | AOC-35-21 | | 1435 | | | | X |
| 8 | AOC-35-23 | | 1400 | | | | X |
| 9 | AOC-35-22 | | 1415 | | | | X |
| 10 | AOC-35-20 | | 1115 | V | | | X |
| ④ | Date | Time | | | | | # of Coolers: 5 |
| (b) (4) | 5/18/10 | 1515 | | | | | <input type="checkbox"/> 5-Day |
| Relinquished By: (2) | Date | Time | | | | | <input type="checkbox"/> Next Day |
| (b) (4) | 5/18/10 | 1615 | | | | | <input type="checkbox"/> 3-Day |
| Relinquished By: (3) | Date | Time | | | | | <input type="checkbox"/> Emergency |
| Relinquished By: (4) | Date | Time | | | | | <input type="checkbox"/> 2-Day |
| | | | | | | | <input checked="" type="checkbox"/> Other |
| ⑤ | Date | Time | | | | | Data Deliverables Required: |
| (b) (4) | 5/18/10 | 1515 | | | | | <input type="checkbox"/> Custody Seal: YES |
| Relinquished By: (2) | Date | Time | | | | | <input type="checkbox"/> Ice Present: YES |
| (b) (4) | 5/18/10 | 1615 | | | | | <input type="checkbox"/> Temp: 26C |
| Relinquished By: (3) | Date | Time | | | | | <input type="checkbox"/> Shipping Carrier: UVENT |
| Relinquished By: (4) | Date | Time | | | | | Special Instructions: |
| | | | | | | | |



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| | | | | |
|--|----------------------------------|---|---------------------------|---|
| 1 CLIENT: EPA | OFFICE LOC. SPRING MD | PSS Work Order # 10051811 | PAGE 2 OF 3 | |
| PROJECT MGR: (4) | PHONE NO.: (410) 324-5114 | Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GM=Ground Wtr WM=Waste Wtr 0=Oil S=Soil WI=Waste Liquid WS=Waste Solid W=Wipe | | |
| EMAIL: (4) @est. (4) FAX NO.: (410) 441-4904 | PROJECT NO.: 1401309 | Preservatives Used | | |
| PROJECT NAME: NTCB | PO. NO.: (4) | Analysis/Method Required | | |
| SITE LOCATION: Port Deposit | PO. NO.: (4) | C = COMP | ③ | |
| SAMPLERS: (4) | SAMPLE IDENTIFICATION | N = GRAB | ④ | |
| 2 LAB NO. | DATE | TIME | MATRIX (See Codes) | REMARKS |
| 1 AOC-45C-43 | 5/17/10 | 1140 | S | (4) |
| 2 AOC-45C-27 | | 1050 | S | (4) |
| 3 AOC-45C-23 | | 0925 | S | (4) |
| 4 AOC-45C-3 | | 1005 | S | (4) |
| 5 AOC-45C-DUP-01 | | - | S | (4) |
| 6 AOC-35-17 | | 1005 | S | (4) |
| 7 AOC-35-16 | | 0940 | S | (4) |
| 8 AOC-35-11 | | 0920 | S | (4) |
| 9 AOC-35-12 | | 0900 | S | (4) |
| 10 AOC-35-19 | | 1050 | S | (4) |
| 3 Relinquished By: (4) | Date 5/18/10 | Time 1515 | Received By: (4) | Requested Turnaround Time <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> 2-Day <input type="checkbox"/> Other |
| 4 Relinquished By: (4) | Date 5/18/10 | Time 1615 | Received By: (4) | # of Coolers: 5 |
| 5 Relinquished By: (4) | Date 5/18/10 | Time 1615 | Received By: (4) | Custody Seal: AB5 |
| 6 Relinquished By: (4) | Date 5/18/10 | Time 1615 | Received By: (4) | Ice Present: YES Temp: 22 |
| 7 Relinquished By: (4) | Date 5/18/10 | Time 1615 | Received By: (4) | Shipping Carrier: UVENT |
| Special Instructions: | | | | |



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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email: info@phaseonline.com

| | | | | | | | | | |
|-------------------------------|-------------------------|--|----------------|-------------------------|--------------------------------------|--|----------|-----------------------|---------------------------|
| 1 CLIENT: | EPA | | OFFICE LOC: | Sparks, MD | | PSS Work Order #: | 10061811 | | PAGE <u>3</u> OF <u>3</u> |
| PROJECT MGR: | (4) 319-5114 | | PHONE NO.: | (410) 771-4904 | | Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W=Wipe | | | |
| EMAIL: | (4) (5) (6) (7) (8) (9) | | SITE LOCATION: | NTCB | | PROJECT NO.: | 1407509 | | Preservatives Used: |
| SAMPLERS: | | | P.O. NO.: | (4) (5) (6) (7) (8) (9) | | SAMPLE TYPE: | | | Analysis/Method Required: |
| 2 LAB NO. | SAMPLE IDENTIFICATION | | DATE | TIME | MATRIX (See Codes) | C = COMP | | | REMARKS |
| 21 | AOC-35-18 | | 5/17/10 | 1030 | S | X | X X X X | | |
| 22 | DUP-AOC-35-02 | | 5/17/10 | - | S | X | X X X X | | |
| 23 | AOC-35-20 | | 5/17/10 | 1115 | S | X | X X X X | | |
| 24 | AOC-45a-471 | | 5/17/10 | 1045 | S | X | X X X X | | |
| 25 | AOC-1a(1689)-102 | | 5/13/10 | 1115 | S | X | X X X X | | |
| 26 | AOC-45a-17 | | 5/13/10 | 1100 | S | X | X X X X | | |
| 27 | AOC-45a-49 | | 5/13/10 | 1415 | S | X | X X X X | | |
| 28 | AOC-45a-Dp.01 | | 5/14/10 | - | S | X | X X X X | | |
| 3 Relinquished By: (1) | (4) (5) (6) (7) (8) (9) | | Date: 5/18/10 | Time: 1015 | Received By: (4) (5) (6) (7) (8) (9) | Requested Turnaround Time: <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other | | # of Coolers: 5 | |
| Relinquished By: (2) | (4) (5) (6) (7) (8) (9) | | Date: 5/18/10 | Time: 1015 | Received By: (4) (5) (6) (7) (8) (9) | | | Custody Seal: ABS | |
| Relinquished By: (3) | | | Date: | Time: | Received By: | | | Ice Present: YES | temp: 2°C |
| Relinquished By: (4) | | | Date: | Time: | Received By: | | | Shipping Carrier: UPS | |
| Special Instructions: | | | | | | | | | |

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



Phase Separation Science, Inc

Sample Receipt Checklist

| | | | |
|----------------|--------------|---------------|------------------------|
| Wo Number | 10051811 | Received By | (b) (4) |
| Client Name | ARGO Systems | Date Received | 05/18/2010 04:15:00 PM |
| Project Name | NTCB | Delivered By | Client |
| Project Number | 1462309 | Tracking No | Not Applicable |
| Disposal Date: | 06/22/2010 | Logged In By | (b) (4) |

Shipping Container(s)

| | | | |
|----------------|----------------|--------------------|---------|
| No. of Coolers | 5 | Ice | Present |
| Custody Seals | Not Applicable | Temp (deg C) | 2 |
| Seal Condition | Not Applicable | Temp Blank Present | No |

Documentation

COC agrees with sample labels? Yes or No Sampler Name: (b) (4)
Chain of Custody (COC) Yes or No MD DW Cert. No.: N/A

Sample Container

| | | | | |
|-------------------------------------|---|-----------------------------|----------------------------------|----------------|
| Appropriate for Specified Analysis? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Custody Seal(s) | Absent |
| Intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Custody Seal(s) Intact? | Not Applicable |
| Labeled and Labels Legible | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Seal(s) Signed / Dated | Not Applicable |
| Total No. of Samples Received | 28 | | Total No. of Containers Received | (179) |

Preservation

| | Yes | No | N/A |
|---|--------------------------|--------------------------|-------------------------------------|
| Metals (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Cyanides (pH>12) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Sulfide (pH>9) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| TOC, COD, Phenols (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| TOX, TKN, NH3, Total Phos (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| VOC, BTEX (VOA Vials Rcvd Preserved) (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do VOA vials have zero headspace? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

(b) (4)

Samples Inspected/Checklist Completed By: (b) (4)

Date:

5/19/10

PM Review and Approval: (b) (4)

Date:

5/21/10

Analytical Report for

ARGO Systems

Certificate of Analysis No.: 10052714

Project Manager: (b) (4)

Project Name : Port Deposit

Project Location: NTCB



June 24, 2010

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

OFFICES:
6630 BALTIMORE NATIONAL
PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047

PHASE SEPARATION SCIENCE, INC.



June 24, 2010

(b) (4)

ARGO Systems

1403 Madison Park Dr., Ste. 205
Glen Burnie, MD 21061

Reference: PSS Work Order No: **10052714**

Project Name : Port Deposit
Project Location: NTCB

Dear (b) (4) :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10052714**.

All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on July 1, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt, the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

(b) (4)

Laboratory Manager



Case Narrative Summary
Client Name: ARGO Systems
Project Name: Port Deposit

Project ID: N/A

Work Order Number: 10052714

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/27/2010 at 02:35 pm

| Lab Sample Id | Sample Id | Matrix | Date/Time Collected |
|---------------|----------------------|--------|---------------------|
| 10052714-001 | AOC-45a-7 | SOIL | 05/13/2010 11:30 |
| 10052714-002 | AOC-45a-17 | SOIL | 05/13/2010 11:00 |
| 10052714-003 | AOC-45a-25 | SOIL | 05/13/2010 14:00 |
| 10052714-004 | AOC-45a-28 | SOIL | 05/13/2010 11:40 |
| 10052714-005 | AOC-45a-33 | SOIL | 05/14/2010 10:35 |
| 10052714-006 | AOC-45a-39 | SOIL | 05/13/2010 13:00 |
| 10052714-007 | AOC-45a-44 | SOIL | 05/14/2010 11:15 |
| 10052714-008 | AOC-45a-47 | SOIL | 05/14/2010 10:45 |
| 10052714-009 | AOC-45a-51 | SOIL | 05/13/2010 13:30 |
| 10052714-010 | AOC-45a-54 | SOIL | 05/13/2010 11:50 |
| 10052714-011 | AOC-45a-58 | SOIL | 05/14/2010 11:05 |
| 10052714-012 | AOC-45a-69 | SOIL | 05/13/2010 14:15 |
| 10052714-013 | AOC-45a-76 | SOIL | 05/13/2010 13:15 |
| 10052714-014 | AOC-45a-81 | SOIL | 05/14/2010 11:35 |
| 10052714-015 | AOC-45a-87 | SOIL | 05/14/2010 09:35 |
| 10052714-016 | AOC-45a-89 | SOIL | 05/13/2010 14:45 |
| 10052714-017 | AOC-45a-97 | SOIL | 05/14/2010 09:20 |
| 10052714-018 | AOC-45a-103 | SOIL | 05/14/2010 09:50 |
| 10052714-019 | AOC-45a-114 | SOIL | 05/14/2010 09:00 |
| 10052714-020 | AOC-45a-120 | SOIL | 05/14/2010 10:05 |
| 10052714-021 | AOC-1a(689)-1 | SOIL | 05/13/2010 11:15 |
| 10052714-022 | AOC-1a(689)-3 MS/MSD | SOIL | 05/13/2010 11:05 |
| 10052714-023 | AOC-1a(689)-5 | SOIL | 05/13/2010 11:00 |
| 10052714-024 | AOC-1a(689)-7 | SOIL | 05/13/2010 11:25 |
| 10052714-025 | AOC-1a(689)-9 | SOIL | 05/13/2010 11:40 |
| 10052714-026 | AOC-45c-3 | SOIL | 05/17/2010 10:05 |
| 10052714-027 | AOC-45c-9 | SOIL | 05/17/2010 09:55 |
| 10052714-028 | AOC-45c-13 MS/MSD | SOIL | 05/17/2010 10:20 |
| 10052714-029 | AOC-45c-16 | SOIL | 05/17/2010 09:40 |
| 10052714-030 | AOC-45c-23 | SOIL | 05/17/2010 09:25 |
| 10052714-031 | AOC-45c-25 | SOIL | 05/17/2010 10:40 |
| 10052714-032 | AOC-45c-27 | SOIL | 05/17/2010 10:50 |
| 10052714-033 | AOC-45c-39 | SOIL | 05/17/2010 11:05 |
| 10052714-034 | AOC-45c-41 MS/MSD | SOIL | 05/17/2010 11:20 |
| 10052714-035 | AOC-45c-43 | SOIL | 05/17/2010 11:40 |
| 10052714-036 | F-17 | SOIL | 05/26/2010 08:25 |
| 10052714-037 | F-55 | SOIL | 05/26/2010 08:50 |
| 10052714-038 | TG10-6 | SOIL | 05/26/2010 09:05 |
| 10052714-039 | TG10-10 | SOIL | 05/26/2010 09:20 |
| 10052714-040 | TG10-11 | SOIL | 05/26/2010 09:15 |
| 10052714-041 | TG10-2 | SOIL | 05/26/2010 09:10 |
| 10052714-042 | TG10-14 | SOIL | 05/26/2010 09:30 |
| 10052714-043 | TG10-9 | SOIL | 05/26/2010 09:35 |



Case Narrative Summary
Client Name: ARGO Systems
Project Name: Port Deposit

Project ID: N/A

Work Order Number: 10052714

| | | | |
|--------------|-------------------|-------|------------------|
| 10052714-044 | TG10-4 MS/MSD | SOIL | 05/26/2010 09:40 |
| 10052714-045 | F-47 | SOIL | 05/26/2010 09:50 |
| 10052714-046 | TG8-14 | SOIL | 05/26/2010 10:15 |
| 10052714-047 | TG8-13 | SOIL | 05/26/2010 10:20 |
| 10052714-048 | TG8-8 | SOIL | 05/26/2010 10:30 |
| 10052714-049 | TG8-9 | SOIL | 05/26/2010 10:35 |
| 10052714-050 | TG8-4 | SOIL | 05/26/2010 10:40 |
| 10052714-051 | TG8-5 | SOIL | 05/26/2010 10:45 |
| 10052714-052 | TG8-10 | SOIL | 05/26/2010 10:50 |
| 10052714-053 | F-40 | SOIL | 05/26/2010 11:00 |
| 10052714-054 | TG9-3 | SOIL | 05/26/2010 11:10 |
| 10052714-055 | TG9-2 | SOIL | 05/26/2010 11:15 |
| 10052714-056 | F-27 | SOIL | 05/26/2010 13:20 |
| 10052714-057 | F-21 | SOIL | 05/26/2010 13:35 |
| 10052714-058 | F-16 | SOIL | 05/26/2010 13:45 |
| 10052714-059 | F-30 | SOIL | 05/26/2010 14:10 |
| 10052714-060 | F-51 | SOIL | 05/26/2010 14:20 |
| 10052714-061 | F-58 MS/MSD | SOIL | 05/26/2010 14:40 |
| 10052714-062 | F-65 | SOIL | 05/26/2010 15:00 |
| 10052714-063 | DUP-AOC1a(689)-01 | SOIL | 05/13/2010 00:00 |
| 10052714-064 | DUP-AOC45a-03 | SOIL | 05/14/2010 00:00 |
| 10052714-065 | DUP-AOC45a-04 | SOIL | 05/14/2010 00:00 |
| 10052714-066 | DUP-GC-10 | SOIL | 05/26/2010 00:00 |
| 10052714-067 | DUP-GC-11 | SOIL | 05/26/2010 00:00 |
| 10052714-068 | DUP-GC-12 | SOIL | 05/26/2010 00:00 |
| 10052714-069 | TG4-8 | SOIL | 05/27/2010 08:20 |
| 10052714-070 | TG4-14 | SOIL | 05/27/2010 08:30 |
| 10052714-071 | TG12-3 | SOIL | 05/27/2010 10:35 |
| 10052714-072 | EB-13 | WATER | 05/27/2010 11:30 |
| 10052714-073 | DUP-GC-13 | SOIL | 05/27/2010 00:00 |
| 10052714-074 | AOC 1c-8 | SOIL | 05/10/2010 13:10 |
| 10052714-075 | AOC 1c-17 | SOIL | 05/10/2010 12:55 |
| 10052714-076 | AOC 1c-25 | SOIL | 05/10/2010 11:30 |
| 10052714-077 | FR-104-1/0-2 | SOIL | 05/13/2010 13:30 |
| 10052714-078 | FR-104-3/0-2 | SOIL | 05/13/2010 13:40 |
| 10052714-079 | FR-104-6/0-2 | SOIL | 05/13/2010 15:05 |
| 10052714-080 | FR-104-9/0-2 | SOIL | 05/13/2010 14:25 |
| 10052714-081 | TG4-7 | SOIL | 05/27/2010 08:35 |
| 10052714-082 | TG4-13 | SOIL | 05/27/2010 08:40 |
| 10052714-083 | TG4-6 | SOIL | 05/27/2010 08:45 |
| 10052714-084 | TG4-12 | SOIL | 05/27/2010 08:50 |
| 10052714-085 | TG4-5 | SOIL | 05/27/2010 09:05 |
| 10052714-086 | TG4-11 | SOIL | 05/27/2010 09:10 |
| 10052714-087 | F-69 | SOIL | 05/27/2010 09:30 |
| 10052714-088 | F-76 | SOIL | 05/27/2010 09:50 |



Case Narrative Summary

Client Name: ARGO Systems
Project Name: Port Deposit

Project ID: N/A

Work Order Number: 10052714

| | | | |
|--------------|---------------|------|------------------|
| 10052714-089 | F-8 | SOIL | 05/27/2010 10:05 |
| 10052714-090 | TG12-2 | SOIL | 05/27/2010 10:30 |
| 10052714-091 | FR-104-10/0-2 | SOIL | 05/13/2010 14:40 |
| 10052714-092 | FR-104-5/2-4 | SOIL | 05/13/2010 13:50 |

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Narrative Comments:

Effecting metals samples 34-92, CCV failure for Mercury at 81%, 85%, 86%, 84%, Thalium 84%, 85%, 86%, and Lead 89%, 88%, 89%; limits are 90-110%. A CCV failure for Copper of 111% recovery; limits 90-110%, effects samples 13-26 and 28. CCV failures for Beryllium at 79%, 78%, 74% and 70%; limits are 90-110%, effecting samples 1-12 and 22.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10052714

ARGO Systems, Glen Burnie, MD

June 24, 2010

Project Name: Port Deposit

Project Location: NTCB

| Sample ID: AOC-1a(689)-9 | | Date/Time Sampled: 05/13/2010 11:40 | | | PSS Sample ID: 10052714-025 | | | | |
|---------------------------------|-------------|---|------|-----|------------------------------------|----------|---------------------------------|----------------|------|
| Matrix: SOIL | | Date/Time Received: 05/27/2010 14:35 | | | % Solids: 87 | | | | |
| PP MDE Metals | | Analytical Method: SW846 6020A | | | | | Preparation Method: SW846 3050B | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| Antimony | ND | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Arsenic | 4.4 | mg/kg | 0.3 | 1 | 0.3 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Beryllium | ND | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Cadmium | ND | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Chromium | 22 | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Copper | 8.9 | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Lead | 16 | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Mercury | ND | mg/kg | 0.11 | 1 | 0.06 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Nickel | 5.6 | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Selenium | ND | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Silver | ND | mg/kg | 2.8 | 1 | 1.4 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Thallium | ND | mg/kg | 0.6 | 1 | 0.3 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Zinc | 20 | mg/kg | 11 | 1 | 5.6 | 06/02/10 | 06/07/10 20:50 | 1034 | |
| Sample ID: AOC-45c-3 | | Date/Time Sampled: 05/17/2010 10:05 | | | PSS Sample ID: 10052714-026 | | | | |
| Matrix: SOIL | | Date/Time Received: 05/27/2010 14:35 | | | % Solids: 89 | | | | |
| PP MDE Metals | | Analytical Method: SW846 6020A | | | | | Preparation Method: SW846 3050B | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| Antimony | ND | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Arsenic | 2.9 | mg/kg | 0.3 | 1 | 0.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Beryllium | ND | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Cadmium | ND | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Chromium | 11 | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Copper | 5.2 | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Lead | 27 | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Mercury | 0.05 | mg/kg | 0.10 | J | 1 | 0.05 | 06/02/10 | 06/07/10 20:57 | 1034 |
| Nickel | 6.6 | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Selenium | ND | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Silver | ND | mg/kg | 2.5 | 1 | 1.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Thallium | ND | mg/kg | 0.5 | 1 | 0.3 | 06/02/10 | 06/07/10 20:57 | 1034 | |
| Zinc | 28 | mg/kg | 10 | 1 | 5.1 | 06/02/10 | 06/07/10 20:57 | 1034 | |

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
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PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10052714

ARGO Systems, Glen Burnie, MD

June 24, 2010

Project Name: Port Deposit

Project Location: NTCB

| | | |
|-----------------------------|--|------------------------------------|
| Sample ID: AOC-45c-9 | Date/Time Sampled: 05/17/2010 09:55 | PSS Sample ID: 10052714-027 |
|-----------------------------|--|------------------------------------|

| | | |
|---------------------|---|---------------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | % Solids: 87 |
|---------------------|---|---------------------|

| | | |
|---------------|--------------------------------|---------------------------------|
| PP MDE Metals | Analytical Method: SW846 6020A | Preparation Method: SW846 3050B |
|---------------|--------------------------------|---------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|-----------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Antimony | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Arsenic | 3.1 | mg/kg | 0.2 | | 1 | 0.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Beryllium | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Cadmium | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Chromium | 11 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Copper | 5.4 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Lead | 33 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Mercury | 0.05 | mg/kg | 0.09 | J | 1 | 0.05 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Nickel | 6.2 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Selenium | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Silver | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Thallium | ND | mg/kg | 0.5 | | 1 | 0.2 | 06/02/10 | 06/07/10 21:24 | 1034 |
| Zinc | 26 | mg/kg | 9.3 | | 1 | 4.6 | 06/02/10 | 06/07/10 21:24 | 1034 |

| | | |
|-------------------------------------|--|------------------------------------|
| Sample ID: AOC-45c-13 MS/MSD | Date/Time Sampled: 05/17/2010 10:20 | PSS Sample ID: 10052714-028 |
|-------------------------------------|--|------------------------------------|

| | | |
|---------------------|---|---------------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | % Solids: 90 |
|---------------------|---|---------------------|

| | | |
|---------------|--------------------------------|---------------------------------|
| PP MDE Metals | Analytical Method: SW846 6020A | Preparation Method: SW846 3050B |
|---------------|--------------------------------|---------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|-----------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Antimony | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Arsenic | 2.8 | mg/kg | 0.2 | | 1 | 0.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Beryllium | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Cadmium | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Chromium | 15 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Copper | 6.8 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Lead | 8.6 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Mercury | 0.05 | mg/kg | 0.09 | J | 1 | 0.05 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Nickel | 7.1 | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Selenium | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Silver | ND | mg/kg | 2.3 | | 1 | 1.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Thallium | ND | mg/kg | 0.5 | | 1 | 0.2 | 06/02/10 | 06/07/10 18:39 | 1034 |
| Zinc | 16 | mg/kg | 9.3 | | 1 | 4.6 | 06/02/10 | 06/07/10 18:39 | 1034 |

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10052714

ARGO Systems, Glen Burnie, MD

June 24, 2010

Project Name: Port Deposit

Project Location: NTCB

| | | |
|------------------------------|--|------------------------------------|
| Sample ID: AOC-45c-16 | Date/Time Sampled: 05/17/2010 09:40 | PSS Sample ID: 10052714-029 |
|------------------------------|--|------------------------------------|

| | | |
|---------------------|---|---------------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | % Solids: 84 |
|---------------------|---|---------------------|

| | | |
|---------------|--------------------------------|---------------------------------|
| PP MDE Metals | Analytical Method: SW846 6020A | Preparation Method: SW846 3050B |
|---------------|--------------------------------|---------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|-----------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Antimony | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Arsenic | 5.5 | mg/kg | 0.3 | | 1 | 0.3 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Beryllium | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Cadmium | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Chromium | 35 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Copper | 11 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Lead | 94 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Mercury | 0.09 | mg/kg | 0.11 | J | 1 | 0.06 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Nickel | 8.7 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Selenium | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Silver | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Thallium | ND | mg/kg | 0.6 | | 1 | 0.3 | 06/02/10 | 06/07/10 21:31 | 1034 |
| Zinc | 58 | mg/kg | 11 | | 1 | 5.5 | 06/02/10 | 06/07/10 21:31 | 1034 |

| | | |
|------------------------------|--|------------------------------------|
| Sample ID: AOC-45c-23 | Date/Time Sampled: 05/17/2010 09:25 | PSS Sample ID: 10052714-030 |
|------------------------------|--|------------------------------------|

| | | |
|---------------------|---|---------------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | % Solids: 84 |
|---------------------|---|---------------------|

| | | |
|---------------|--------------------------------|---------------------------------|
| PP MDE Metals | Analytical Method: SW846 6020A | Preparation Method: SW846 3050B |
|---------------|--------------------------------|---------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|-----------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Antimony | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Arsenic | 6.2 | mg/kg | 0.3 | | 1 | 0.3 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Beryllium | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Cadmium | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Chromium | 27 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Copper | 16 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Lead | 380 | mg/kg | 28 | | 10 | 14 | 06/02/10 | 06/17/10 02:20 | 1034 |
| Mercury | 0.14 | mg/kg | 0.11 | | 1 | 0.06 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Nickel | 11 | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Selenium | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Silver | ND | mg/kg | 2.8 | | 1 | 1.4 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Thallium | ND | mg/kg | 0.6 | | 1 | 0.3 | 06/02/10 | 06/07/10 21:38 | 1034 |
| Zinc | 98 | mg/kg | 11 | | 1 | 5.6 | 06/02/10 | 06/07/10 21:38 | 1034 |

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ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10052714

ARGO Systems, Glen Burnie, MD

June 24, 2010

Project Name: Port Deposit

Project Location: NTCB

| Sample ID: AOC-45c-25 | | Date/Time Sampled: 05/17/2010 10:40 | | | PSS Sample ID: 10052714-031 | | | | |
|------------------------------|-------------------|---|------|-----|------------------------------------|----------|---------------------------------|---------|--|
| Matrix: SOIL | | Date/Time Received: 05/27/2010 14:35 | | | % Solids: 89 | | | | |
| PP MDE Metals | | Analytical Method: SW846 6020A | | | | | Preparation Method: SW846 3050B | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| Antimony | ND mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Arsenic | 4.8 mg/kg | 0.2 | | 1 | 0.2 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Beryllium | ND mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Cadmium | ND mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Chromium | 21 mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Copper | 6.9 mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Lead | 14 mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Mercury | 0.05 mg/kg | 0.08 | J | 1 | 0.04 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Nickel | 4.6 mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Selenium | ND mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Silver | ND mg/kg | 2.0 | | 1 | 1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Thallium | ND mg/kg | 0.4 | | 1 | 0.2 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Zinc | 12 mg/kg | 8.2 | | 1 | 4.1 | 06/02/10 | 06/07/10 21:45 | 1034 | |
| Sample ID: AOC-45c-27 | | Date/Time Sampled: 05/17/2010 10:50 | | | PSS Sample ID: 10052714-032 | | | | |
| Matrix: SOIL | | Date/Time Received: 05/27/2010 14:35 | | | % Solids: 90 | | | | |
| PP MDE Metals | | Analytical Method: SW846 6020A | | | | | Preparation Method: SW846 3050B | | |
| Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst | |
| Antimony | ND mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Arsenic | 2.8 mg/kg | 0.3 | | 1 | 0.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Beryllium | ND mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Cadmium | ND mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Chromium | 14 mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Copper | 5.4 mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Lead | 12 mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Mercury | ND mg/kg | 0.10 | | 1 | 0.05 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Nickel | 5.0 mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Selenium | ND mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Silver | ND mg/kg | 2.5 | | 1 | 1.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Thallium | ND mg/kg | 0.5 | | 1 | 0.3 | 06/02/10 | 06/07/10 21:52 | 1034 | |
| Zinc | 16 mg/kg | 10 | | 1 | 5.1 | 06/02/10 | 06/07/10 21:52 | 1034 | |

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10052714

ARGO Systems, Glen Burnie, MD

June 24, 2010

Project Name: Port Deposit

Project Location: NTCB

| | | |
|------------------------------|--|------------------------------------|
| Sample ID: AOC-45c-39 | Date/Time Sampled: 05/17/2010 11:05 | PSS Sample ID: 10052714-033 |
|------------------------------|--|------------------------------------|

| | | |
|---------------------|---|---------------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | % Solids: 84 |
|---------------------|---|---------------------|

| | | |
|---------------|--------------------------------|---------------------------------|
| PP MDE Metals | Analytical Method: SW846 6020A | Preparation Method: SW846 3050B |
|---------------|--------------------------------|---------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|-----------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Antimony | ND | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Arsenic | 6.0 | mg/kg | 0.3 | 1 | 0.3 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Beryllium | ND | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Cadmium | ND | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Chromium | 22 | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Copper | 9.2 | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Lead | 11 | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Mercury | ND | mg/kg | 0.12 | 1 | 0.06 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Nickel | 6.7 | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Selenium | ND | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Silver | ND | mg/kg | 2.9 | 1 | 1.5 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Thallium | ND | mg/kg | 0.6 | 1 | 0.3 | 06/02/10 | 06/07/10 21:59 | 1034 | |
| Zinc | 20 | mg/kg | 12 | 1 | 5.8 | 06/02/10 | 06/07/10 21:59 | 1034 | |

| | | |
|-------------------------------------|--|------------------------------------|
| Sample ID: AOC-45c-41 MS/MSD | Date/Time Sampled: 05/17/2010 11:20 | PSS Sample ID: 10052714-034 |
|-------------------------------------|--|------------------------------------|

| | | |
|---------------------|---|---------------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | % Solids: 88 |
|---------------------|---|---------------------|

| | | |
|---------------|--------------------------------|---------------------------------|
| PP MDE Metals | Analytical Method: SW846 6020A | Preparation Method: SW846 3050B |
|---------------|--------------------------------|---------------------------------|

| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
|-----------|---------------|--------------|-----------|-------------|------------|------------|-----------------|-----------------|----------------|
| Antimony | ND | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Arsenic | 4.8 | mg/kg | 0.2 | 1 | 0.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Beryllium | ND | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Cadmium | ND | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Chromium | 18 | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Copper | 4.8 | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Lead | 8.8 | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Mercury | ND | mg/kg | 0.10 | 1 | 0.05 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Nickel | 4.8 | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Selenium | ND | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Silver | ND | mg/kg | 2.4 | 1 | 1.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Thallium | ND | mg/kg | 0.5 | 1 | 0.2 | 06/02/10 | 06/06/10 01:22 | 1034 | |
| Zinc | 16 | mg/kg | 9.8 | 1 | 4.9 | 06/02/10 | 06/06/10 01:22 | 1034 | |

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6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No: 10052714

ARGO Systems, Glen Burnie, MD

June 24, 2010

Project Name: Port Deposit

Project Location: NTCB

| Sample ID: AOC-45c-43 | Date/Time Sampled: 05/17/2010 11:40 | | PSS Sample ID: 10052714-035 | | | | | | |
|------------------------------|---|--------------|------------------------------------|-------------|------------|------------|-----------------|---------------------------------|----------------|
| Matrix: SOIL | Date/Time Received: 05/27/2010 14:35 | | | | | | | % Solids: 87 | |
| PP MDE Metals | Analytical Method: SW846 6020A | | | | | | | Preparation Method: SW846 3050B | |
| | Result | Units | RL | Flag | Dil | LOD | Prepared | Analyzed | Analyst |
| Antimony | ND | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Arsenic | 4.1 | mg/kg | 0.3 | | 1 | 0.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Beryllium | ND | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Cadmium | ND | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Chromium | 26 | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Copper | 18 | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Lead | 13 | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Mercury | 0.05 | mg/kg | 0.10 | J | 1 | 0.05 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Nickel | 14 | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Selenium | ND | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Silver | ND | mg/kg | 2.6 | | 1 | 1.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Thallium | ND | mg/kg | 0.5 | | 1 | 0.3 | 06/02/10 | 06/06/10 01:56 | 1034 |
| Zinc | 27 | mg/kg | 10 | | 1 | 5.2 | 06/02/10 | 06/06/10 01:56 | 1034 |



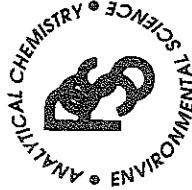
SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| | | | | | | | |
|--|-------------------------|--------------------|----------------|---|--|------|---------|
| 1 CLIENT: | EPRA | OFFICE LOC. | Sparks, MD | PSS Work Order # | 100062714 | PAGE | 2 OF 10 |
| PROJECT MGR: | (4) [REDACTED] | PHONE NO.: | (410) 329-5114 | Matrix Codes: | | | |
| EMAIL: | (5) [REDACTED]@epra.com | FAX NO.: | (410) 771-4201 | SW=Surface Wtr DM=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil W=Waste Solid WS=Waste Liquid WS=Wipe | | | |
| PROJECT NAME: | NTCB | PROJECT NO.: | 146-0309 | No. Preservatives Used | | | |
| SITE LOCATION: | Port Deposit | P.O. NO.: | (4) [REDACTED] | Analysis/Method Required | | | |
| SAMPLERS: | [REDACTED] | DATE | TIME | C = COMP | | | |
| 2 LAB NO. | SAMPLE IDENTIFICATION | MATRIX (See Codes) | | G = GRAB | | | |
| 1 | AOC-45a-56 * | 5/14/10 1105 | 5 | I | # If Chrome is isolated above Residential areas standard sample for the chain! | | |
| 12 | AOC-45a-69 * | 5/13/10 1415 | 1 | X | Should be analyzed before running! | | |
| 13 | AOC-45a-70 * | 1315 | | X | Standard sample for the chain! | | |
| 14 | AOC-45a-81 * | 5/14/10 1135 | | X | Mark V. Please inform EA | | |
| 15 | AOC-45a-87 * | 0935 | | X | | | |
| 16 | AOC-45a-89 * | 5/13/10 1445 | | X | | | |
| 17 | AOC-45a-97 * | 5/14/10 0920 | | X | | | |
| 18 | AOC-45a-103 * | 0930 | | X | | | |
| 19 | AOC-45a-114 * | 0900 | | X | | | |
| 20 | AOC-45a-120 * | 1005 | | X | | | |
| 3 Relinquished By: (4) [REDACTED] | Date | Time | Received By: | # of Coolers: 4 | | | |
| 4 Relinquished By: (3) (4) [REDACTED] | Date | Time | Received By: | <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other | | | |
| Relinquished By: (3) [REDACTED] | Date | Time | Received By: | Data Deliverables Required: (b) (4) [REDACTED] | | | |
| Relinquished By: | Date | Time | Received By: | Special Instructions: | | | |

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| | | | | | | | | | | | |
|-----------------------------|--------------------------|-------------------------|--------------|----------------|------------|--------------------|---|------------------------------------|---|--------------------------------|-------------------|
| ① CLIENT: | EPA [REDACTED] | | OFFICE LOC. | Sparks, MD | | PSS Work Order # | 10052714 | | PAGE | 3 OF 10 | |
| PROJECT MGR: | (4) [REDACTED] | | PHONE NO.: | (410) 379-5114 | | Matrix Codes: | SW=Surface Wtr, DW=Drinking Wtr, GM=Ground Wtr, O=Oil, S=Soil, W=Waste Liquid, MS=Waste Solid, W=Wipe | | | | |
| EMAIL: | (4) [REDACTED]@Phase.com | | FAX NO.: | (410) 771-4204 | | No. | Preservatives Used | Analysis Method Required | C = | SAMPLE TYPE | REMARKS |
| PROJECT NAME: | NTCP | | PROJECT NO.: | 4462389 | | C | ③ | ② | N | O | [REDACTED] |
| SITE LOCATION: | Part Deposit | | P.O. NO.: | [REDACTED] | | O | ④ | ② | A | T | [REDACTED] |
| SAMPLERS: | [REDACTED] | | P.O. NO.: | [REDACTED] | | N | ⑤ | ② | R | S | [REDACTED] |
| ② | LAB NO. | SAMPLE IDENTIFICATION | | DATE | TIME | MATRIX (See Codes) | | | | | |
| 21 | [REDACTED] | Acc 1689-1 | | 5/13/10 | 1115 | S | 1 | X | G | | [REDACTED] |
| 22 | [REDACTED] | Acc 1689-3 (1689-31689) | | 5/13/10 | 1105 | | 3 | X | | | Identified above |
| 23 | [REDACTED] | Acc 1689-5 | | 5/13/10 | 1100 | | | X | | | Residential Clean |
| 24 | [REDACTED] | Acc 1689-7 | | 5/13/10 | 1125 | | | X | | | Standard Sample |
| 25 | [REDACTED] | Acc 1689-9 | | 5/13/10 | 1140 | | | X | | | Shake before send |
| 26 | [REDACTED] | Acc 45C-3 | | 5/17/10 | 1005 | | | X | | | Further Check |
| 27 | [REDACTED] | Acc 45C-9 | | 5/17/10 | 0955 | | | X | | | Normal V. On-line |
| 28 | [REDACTED] | Acc 45C-13 (1689-1689) | | 5/17/10 | 1020 | | | X | | | inform EH |
| 29 | [REDACTED] | Acc 45C-16 | | 5/17/10 | 0940 | | | X | | | before running! |
| 30 | [REDACTED] | Acc 45C-23 | | 5/17/10 | 0925 | | | X | | | |
| ③ | Date: | Time: | [REDACTED] | | Time: | ④ | Requested Turnaround Time | # of Coolers: 4 | | | |
| (b) (4) | [REDACTED] | 1125 | [REDACTED] | | [REDACTED] | | <input type="checkbox"/> 5-Day | <input type="checkbox"/> 3-Day | <input checked="" type="checkbox"/> 2-Day | <input type="checkbox"/> Other | |
| (b) (4) | [REDACTED] | 1135 | [REDACTED] | | [REDACTED] | | <input type="checkbox"/> Next Day | <input type="checkbox"/> Emergency | | | |
| Data Deliverables Required: | | | | | | | | | | Ice Present: YES Temp: 1°C | |
| Relinquished By: (3) | | | | | | | | | | Shipping Carrier: DIAL | |
| Relinquished By: (4) | | | | | | | | | | Special Instructions: | |



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| ① CLIENT: EPA | | OFFICE LOC: Sparks, NV | | PAGE 4 OF 14 | |
|--------------------------------------|-----------------------|------------------------------|------------|---|--|
| PROJECT MGR: [REDACTED] (4) (b) | | PHONE NO.: (408) 329-5714 | | PSS Work Order # 00527714 | |
| EMAIL: [REDACTED] (4) (b) Jensen.com | | FAX NO.: (408) 329-5714 | | Matrix Codes: SW=Surface Wtr MW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Wipe | |
| PROJECT NAME: NTCB | | PROJECT NO.: 1462309 | | PROJECT NO.: 1462309 | |
| SITE LOCATION: Part Deposit | | P.O. NO.: [REDACTED] (4) (b) | | P.O. NO.: [REDACTED] (4) (b) | |
| SAMPLERS: [REDACTED] | | | | | |
| ② LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX (See Codes) | REMARKS |
| 31 * | AOC45c-25 | 5/17/10 | 1040 | S | X 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 32 * | AOC45c-27 | | 1050 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 33 * | AOC45c-39 | | 1105 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 34 * | AOC45c-41 | | 1120 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 35 * | AOC45c-43 | | 1140 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 36 | F-17 | 5/17/10 | 0825 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 37 | F-55 | | 0850 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 38 | T610-6 | | 0905 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 39 | T610-10 | | 0910 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| 40 | T610-11 | | 0915 | | X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 |
| ⑤ Relinquished By: | (b) (4) | Date: 5/27/10 | Time: 1305 | ④ Requested Turnaround Time: (b) (4) Date: 5/27/10 | # of Coolers: 4 5-Day <input type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other |
| Relinquished By: | (b) (4) | Date: 5/27/10 | Time: 1430 | Data Deliverables Required: (b) (4) | Ice Present: YES Temp: 1°C Shipping Carrier: DIAL |
| Relinquished By: (3) | | Date | Time | Received By: | Special Instructions: |
| Relinquished By: (4) | | Date | Time | Received By: | |

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The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| | | | | | | | |
|-------------------------------------|-------------------|----------------------------------|------------------|--|------------------------------|---------------------------|--|
| ① CLIENT: EPA | | OFFICE LOC: Sparks, MD | | PAGE 5 OF 10 | | | |
| PROJECT MGR: (b) (4) | | PHONE NO.: (410) 329-5344 | | PSS Work Order# 10052714 | | | |
| EMAIL: (b) (4) Deale@epa.gov | | FAX NO.: (410) 771-4704 | | Matrix Codes: SW-Surface Wtr SW=Drinking Wtr SW-Ground Wtr SW-Waste Wtr O-Oil S-Soil ML=Waste Liquid MS=Waste Solid W-Wipe | | | |
| PROJECT NAME: NTCB | | PROJECT NO.: 1007301 | | No. | Preservatives Used | | |
| SITE LOCATION: Port Deposit | | P.O. NO.: (4)(b) | | C | Sample Type | | |
| SAMPLERS: | | | | O | Analysis Method Required | | |
| | | | | N | ③ | | |
| | | | | A | 70,50,40,20 | | |
| | | | | T | COMP | | |
| | | | | R | G = GRAB | | |
| | | | | S | REMARKS | | |
| ② LAB NO. | | SAMPLE IDENTIFICATION | | DATE | TIME | MATRIX (See Codes) | |
| 41 | T-6-10-2 | 5/24/10 | 0910 | 5 | ✓ | ✓ | |
| 42 | T-6-10-14 | 5/24/10 | 0930 | ✓ | | | |
| 43 | T-6-10-9 | 5/24/10 | 0935 | ✓ | | | |
| 44 | T-6-10-4 (msipad) | 5/24/10 | 0940 | 3 | | | |
| 45 | F-47 | 5/24/10 | 0950 | 1 | | | |
| 46 | T-6-8-14 | 5/24/10 | 1015 | | | | |
| 47 | T-6-8-13 | 5/24/10 | 1020 | | | | |
| 48 | T-6-8-8 | 5/24/10 | 1030 | | | | |
| 49 | T-6-8-9 | 5/24/10 | 1035 | ✓ | | | |
| 50 | T-6-8-4 | 5/24/10 | 1040 | ✓ | | | |
| ⑤ Relinquished By: (b) (4) | | Date 5/27/10 | Time 1305 | Received By: (b) (4) | Received Date 5/27/10 | Received Time 1435 | ④ Requested Turnaround Time <input type="checkbox"/> 5-Day <input checked="" type="checkbox"/> 3-Day <input type="checkbox"/> Next Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other |
| Relinquished By: (b) (4) | | Date 5/27/10 | Time 1435 | Received By: (b) (4) | Received Date 5/27/10 | Received Time 1435 | # of Coolers: 4 |
| Relinquished By: (b) (4) | | Date 5/27/10 | Time 1435 | Received By: (b) (4) | Received Date 5/27/10 | Received Time 1435 | Custody Seal: 1235 |
| Relinquished By: (b) (4) | | Date 5/27/10 | Time 1435 | Received By: (b) (4) | Received Date 5/27/10 | Received Time 1435 | Ice Present: YES |
| Relinquished By: (b) (4) | | Date 5/27/10 | Time 1435 | Received By: (b) (4) | Received Date 5/27/10 | Received Time 1435 | Shipping Carrier: DHL |
| Relinquished By: (b) (4) | | Date 5/27/10 | Time 1435 | Received By: (b) (4) | Received Date 5/27/10 | Received Time 1435 | Special Instructions: |

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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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email: info@phaseonline.com

| | | | | |
|---------------------------|-----------------------|-------------------------------|---|--|
| ① CLIENT: EPA | | OFFICE LOC: Sparks, MD | IPSS Work Order #: 100052714 | PAGE 0 OF 10 |
| PROJECT MGR: | (4)(b) | PHONE NO.: (410) 324-5114 | Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr 0=Oil S=Soil WLS=Waste Liquid WS=Waste Solid W=Wipe | |
| EMAIL: | (4)(b) | FAX NO.: (410) 771-4204 | | |
| PROJECT NAME: | WTCB | PROJECT NO.: 1402309 | | |
| SITE LOCATION: | Port Deposit | P.O. NO.: (4)(b) | | |
| SAMPLERS: | | | REMARKS | |
| ② LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX (See Codes) |
| 51 | T-8-5 | 5/24/10 | 1045 | S |
| 52 | T-8-10 | | 1050 | |
| 53 | F-40 | | 1100 | |
| 54 | T-9-3 | | 1110 | |
| 55 | T-9-2 | | 1115 | |
| 56 | F-27 | | 1320 | |
| 57 | F-21 | | 1335 | |
| 58 | F-16 | | 1345 | |
| 59 | F-30 | | 1410 | |
| 60 | F-51 | | 1420 | J |
| ③ Relinquished By: (4)(b) | Date: 5/27/10 | Time: 1205 | Received By: (4)(b) | ④ Requested Turnaround Time <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other Data Deliverables Required: (b) (4) |
| Relinquished By: (4)(b) | Date: 5/27/10 | Time: 1435 | Received By: (4)(b) | # of Coolers: 4 Custody Seal: ABSS Ice Present: YES Temp: 12 Shipping Carrier: DHL |
| Relinquished By: (4) | Date | Time | Received By: | Special Instructions: |
| Relinquished By: (4) | Date | Time | Received By: | |



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email: info@phaseonline.com

| 1 CLIENT: | EPA | | OFFICE LOC. | Sparks, MD | | PAGE <u>1</u> OF <u>10</u> |
|----------------------|-----------------------|--|---------------------|------------------|--------------------------------|---|
| PROJECT MGR: | Dave Strain | | PHONE NO.: | (410) 829-5114 | | Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr MM=Oil & Soil W=Soil WS=Waste Liquid WS=Waste Solid W=Wipe |
| EMAIL: | (4) Direct e-FAX NO.: | | (4) 771-4204 | | | |
| PROJECT NAME: | NTCB | | PROJECT NO.: | 462801 | | |
| SITE LOCATION: | Port Deposit | | P.O. NO.: | (4) | | |
| SAMPLERS: | | | | | | REMARKS |
| 2 LAB NO. | SAMPLE IDENTIFICATION | | DATE | TIME | MATRIX (See Codes) | |
| 601 | F-58 NS/115D | | 5/26/10 | 1440 | S | X X |
| 602 | F-105 | | 5/26/10 | 1500 | | X |
| 603 | Df-AOCW (680)-01 | | 5/27/10 | - | | X |
| 604 | Df-AOC45a-03 | | 5/27/10 | - | | X |
| 605 | Df-AOC45a-04 | | 5/27/10 | - | | X |
| 606 | Df-AOC-10 | | 5/27/10 | - | | X |
| 607 | Df-AOC-11 | | 5/27/10 | - | | X |
| 608 | Df-AOC-12 | | 5/27/10 | 0640 | | X |
| 609 | Tr-4-8 | | 5/27/10 | 0630 | | X |
| 701 | Tr-4-14 | | 5/27/10 | 1305 | | X |
| 5 | (b) (4) | | Date <u>5/27/10</u> | Time <u>1305</u> | Received By: <u>██████████</u> | ④ Requested Turnaround Time <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other |
| Relinquished By: (4) | (b) (4) | | Date <u>5/27/10</u> | Time <u>1435</u> | Received By: <u>██████████</u> | # of Coolers: <u>4</u> Custody Seal: <u>AB5</u> Ice Present: <u>PRES</u> Temp: <u>72</u> Shipping Carrier: <u>DHL</u> |
| Relinquished By: (4) | (b) (4) | | Date | Time | Received By: | Special Instructions: |

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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

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| | | | | | | | | | | | |
|------------------------------------|---|---------|---|------------|--------------------|----------------------|--------------------|--------------------------|-----------------------------------|------------------------------------|--|
| ① CLIENT: | EPA [REDACTED] (b) (4) | | OFFICE LOC. | Sparks, MD | | PSS Work Order # | 10052714 | | PAGE | 8 OF 10 | |
| PROJECT MGR: | PHONE NO.: (410) 329-5114 | | Matrix Codes: SW=Surface Wtr GM=Ground Wtr MM=Waste Wtr O=Oil S=Soil W=Waste Solid W=Wipe | | | | | | | | |
| EMAIL: | (b) (4) Decet.com FAX NO.: (410) 771-4204 | | No. | C | O | SAMPLE TYPE | Preservatives Used | Analysis/Method Required | C = COMP | G = GRAB | REMARKS |
| PROJECT NAME: | NUTCB | | PROJECT NO.: 1467206 | N | T | A | | | N | R | |
| SITE LOCATION: | Port Deposit | | P.O. NO.: | | | | | | | | |
| SAMPLERS: | (b) (4) | | | | | | | | | | |
| ② LAB NO. | SAMPLE IDENTIFICATION | | DATE | TIME | MATRIX (See Codes) | | | | | | |
| 71 | T612-3 | | 5/17/10 | 10:35 | S | | X | X | | | |
| 72 | EB-13 | | 5/17/10 | 11:30 | | | X | X | | | |
| 73 | D6-6C-13 | | | - | | | | | | | |
| 74 | AOC1C-8 | | 5/10/10 | 13:10 | | | X | X | | | |
| 75 | AOC1C-17 | | | 12:55 | | | X | X | | | |
| 76 | AOC1C-75 | | | 11:30 | | | | | | | |
| 77 | FE-104-110-2 | | 5/13/10 | 13:30 | | | | | | | |
| 78 | FE-104-310-2 | | | 13:40 | | | | | | | |
| 79 | FE-104-1010-2 | | | 15:05 | | | | | | | |
| 80 | FE-104-910-2 | | | 14:25 | V | | | | | | |
| ③ Relinquished By: (b) (4) | Date | 5/27/10 | Time | 13:05 | | Received By: (b) (4) | Time | 14:35 | 5/27/10 | Time | Received By: (b) (4) |
| ④ Requested Turnaround Time | | | | | | | | | # of Coolers: 4 | | |
| | | | | | | | | | <input type="checkbox"/> 5-Day | <input type="checkbox"/> 3-Day | <input type="checkbox"/> 2-Day |
| | | | | | | | | | <input type="checkbox"/> Next Day | <input type="checkbox"/> Emergency | <input checked="" type="checkbox"/> Other |
| | | | | | | | | | Data Deliverables Required: | | Ice Present: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| | | | | | | | | | | | Temp: 4°C <input type="checkbox"/> 8°C <input type="checkbox"/> 12°C <input type="checkbox"/> 16°C <input type="checkbox"/> 20°C <input type="checkbox"/> 24°C <input type="checkbox"/> 28°C <input type="checkbox"/> 32°C <input type="checkbox"/> 36°C <input type="checkbox"/> 40°C <input type="checkbox"/> 44°C <input type="checkbox"/> 48°C <input type="checkbox"/> 52°C <input type="checkbox"/> 56°C <input type="checkbox"/> 60°C <input type="checkbox"/> 64°C <input type="checkbox"/> 68°C <input type="checkbox"/> 72°C <input type="checkbox"/> 76°C <input type="checkbox"/> 80°C <input type="checkbox"/> 84°C <input type="checkbox"/> 88°C <input type="checkbox"/> 92°C <input type="checkbox"/> 96°C <input type="checkbox"/> 100°C <input type="checkbox"/> 104°C <input type="checkbox"/> 108°C <input type="checkbox"/> 112°C <input type="checkbox"/> 116°C <input type="checkbox"/> 120°C <input type="checkbox"/> 124°C <input type="checkbox"/> 128°C <input type="checkbox"/> 132°C <input type="checkbox"/> 136°C <input type="checkbox"/> 140°C <input type="checkbox"/> 144°C <input type="checkbox"/> 148°C <input type="checkbox"/> 152°C <input type="checkbox"/> 156°C <input type="checkbox"/> 160°C <input type="checkbox"/> 164°C <input type="checkbox"/> 168°C <input type="checkbox"/> 172°C <input type="checkbox"/> 176°C <input type="checkbox"/> 180°C <input type="checkbox"/> 184°C <input type="checkbox"/> 188°C <input type="checkbox"/> 192°C <input type="checkbox"/> 196°C <input type="checkbox"/> 200°C <input type="checkbox"/> 204°C <input type="checkbox"/> 208°C <input type="checkbox"/> 212°C <input type="checkbox"/> 216°C <input type="checkbox"/> 220°C <input type="checkbox"/> 224°C <input type="checkbox"/> 228°C <input type="checkbox"/> 232°C <input type="checkbox"/> 236°C <input type="checkbox"/> 240°C <input type="checkbox"/> 244°C <input type="checkbox"/> 248°C <input type="checkbox"/> 252°C <input type="checkbox"/> 256°C <input type="checkbox"/> 260°C <input type="checkbox"/> 264°C <input type="checkbox"/> 268°C <input type="checkbox"/> 272°C <input type="checkbox"/> 276°C <input type="checkbox"/> 280°C <input type="checkbox"/> 284°C <input type="checkbox"/> 288°C <input type="checkbox"/> 292°C <input type="checkbox"/> 296°C <input type="checkbox"/> 300°C <input type="checkbox"/> 304°C <input type="checkbox"/> 308°C <input type="checkbox"/> 312°C <input type="checkbox"/> 316°C <input type="checkbox"/> 320°C <input type="checkbox"/> 324°C <input type="checkbox"/> 328°C <input type="checkbox"/> 332°C <input type="checkbox"/> 336°C <input type="checkbox"/> 340°C <input type="checkbox"/> 344°C <input type="checkbox"/> 348°C <input type="checkbox"/> 352°C <input type="checkbox"/> 356°C <input type="checkbox"/> 360°C <input type="checkbox"/> 364°C <input type="checkbox"/> 368°C <input type="checkbox"/> 372°C <input type="checkbox"/> 376°C <input type="checkbox"/> 380°C <input type="checkbox"/> 384°C <input type="checkbox"/> 388°C <input type="checkbox"/> 392°C <input type="checkbox"/> 396°C <input type="checkbox"/> 400°C <input type="checkbox"/> 404°C <input type="checkbox"/> 408°C <input type="checkbox"/> 412°C <input type="checkbox"/> 416°C <input type="checkbox"/> 420°C <input type="checkbox"/> 424°C <input type="checkbox"/> 428°C <input type="checkbox"/> 432°C <input type="checkbox"/> 436°C <input type="checkbox"/> 440°C <input type="checkbox"/> 444°C <input type="checkbox"/> 448°C <input type="checkbox"/> 452°C <input type="checkbox"/> 456°C <input type="checkbox"/> 460°C <input type="checkbox"/> 464°C <input type="checkbox"/> 468°C <input type="checkbox"/> 472°C <input type="checkbox"/> 476°C <input type="checkbox"/> 480°C <input type="checkbox"/> 484°C <input type="checkbox"/> 488°C <input type="checkbox"/> 492°C <input type="checkbox"/> 496°C <input type="checkbox"/> 500°C <input type="checkbox"/> 504°C <input type="checkbox"/> 508°C <input type="checkbox"/> 512°C <input type="checkbox"/> 516°C <input type="checkbox"/> 520°C <input type="checkbox"/> 524°C <input type="checkbox"/> 528°C <input type="checkbox"/> 532°C <input type="checkbox"/> 536°C <input type="checkbox"/> 540°C <input type="checkbox"/> 544°C <input type="checkbox"/> 548°C <input type="checkbox"/> 552°C <input type="checkbox"/> 556°C <input type="checkbox"/> 560°C <input type="checkbox"/> 564°C <input type="checkbox"/> 568°C <input type="checkbox"/> 572°C <input type="checkbox"/> 576°C <input type="checkbox"/> 580°C <input type="checkbox"/> 584°C <input type="checkbox"/> 588°C <input type="checkbox"/> 592°C <input type="checkbox"/> 596°C <input type="checkbox"/> 600°C <input type="checkbox"/> 604°C <input type="checkbox"/> 608°C <input type="checkbox"/> 612°C <input type="checkbox"/> 616°C <input type="checkbox"/> 620°C <input type="checkbox"/> 624°C <input type="checkbox"/> 628°C <input type="checkbox"/> 632°C <input type="checkbox"/> 636°C <input type="checkbox"/> 640°C <input type="checkbox"/> 644°C <input type="checkbox"/> 648°C <input type="checkbox"/> 652°C <input type="checkbox"/> 656°C <input type="checkbox"/> 660°C <input type="checkbox"/> 664°C <input type="checkbox"/> 668°C <input type="checkbox"/> 672°C <input type="checkbox"/> 676°C <input type="checkbox"/> 680°C <input type="checkbox"/> 684°C <input type="checkbox"/> 688°C <input type="checkbox"/> 692°C <input type="checkbox"/> 696°C <input type="checkbox"/> 700°C <input type="checkbox"/> 704°C <input type="checkbox"/> 708°C <input type="checkbox"/> 712°C <input type="checkbox"/> 716°C <input type="checkbox"/> 720°C <input type="checkbox"/> 724°C <input type="checkbox"/> 728°C <input type="checkbox"/> 732°C <input type="checkbox"/> 736°C <input type="checkbox"/> 740°C <input type="checkbox"/> 744°C <input type="checkbox"/> 748°C <input type="checkbox"/> 752°C <input type="checkbox"/> 756°C <input type="checkbox"/> 760°C <input type="checkbox"/> 764°C <input type="checkbox"/> 768°C <input type="checkbox"/> 772°C <input type="checkbox"/> 776°C <input type="checkbox"/> 780°C <input type="checkbox"/> 784°C <input type="checkbox"/> 788°C <input type="checkbox"/> 792°C <input type="checkbox"/> 796°C <input type="checkbox"/> 800°C <input type="checkbox"/> 804°C <input type="checkbox"/> 808°C <input type="checkbox"/> 812°C <input type="checkbox"/> 816°C <input type="checkbox"/> 820°C <input type="checkbox"/> 824°C <input type="checkbox"/> 828°C <input type="checkbox"/> 832°C <input type="checkbox"/> 836°C <input type="checkbox"/> 840°C <input type="checkbox"/> 844°C <input type="checkbox"/> 848°C <input type="checkbox"/> 852°C <input type="checkbox"/> 856°C <input type="checkbox"/> 860°C <input type="checkbox"/> 864°C <input type="checkbox"/> 868°C <input type="checkbox"/> 872°C <input type="checkbox"/> 876°C <input type="checkbox"/> 880°C <input type="checkbox"/> 884°C <input type="checkbox"/> 888°C <input type="checkbox"/> 892°C <input type="checkbox"/> 896°C <input type="checkbox"/> 900°C <input type="checkbox"/> 904°C <input type="checkbox"/> 908°C <input type="checkbox"/> 912°C <input type="checkbox"/> 916°C <input type="checkbox"/> 920°C <input type="checkbox"/> 924°C <input type="checkbox"/> 928°C <input type="checkbox"/> 932°C <input type="checkbox"/> 936°C <input type="checkbox"/> 940°C <input type="checkbox"/> 944°C <input type="checkbox"/> 948°C <input type="checkbox"/> 952°C <input type="checkbox"/> 956°C <input type="checkbox"/> 960°C <input type="checkbox"/> 964°C <input type="checkbox"/> 968°C <input type="checkbox"/> 972°C <input type="checkbox"/> 976°C <input type="checkbox"/> 980°C <input type="checkbox"/> 984°C <input type="checkbox"/> 988°C <input type="checkbox"/> 992°C <input type="checkbox"/> 996°C <input type="checkbox"/> 1000°C <input type="checkbox"/> 1004°C <input type="checkbox"/> 1008°C <input type="checkbox"/> 1012°C <input type="checkbox"/> 1016°C <input type="checkbox"/> 1020°C <input type="checkbox"/> 1024°C <input type="checkbox"/> 1028°C <input 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type="checkbox"/> 1156°C <input type="checkbox"/> 1160°C <input type="checkbox"/> 1164°C <input type="checkbox"/> 1168°C <input type="checkbox"/> 1172°C <input type="checkbox"/> 1176°C <input type="checkbox"/> 1180°C <input type="checkbox"/> 1184°C <input type="checkbox"/> 1188°C <input type="checkbox"/> 1192°C <input type="checkbox"/> 1196°C <input type="checkbox"/> 1200°C <input type="checkbox"/> 1204°C <input type="checkbox"/> 1208°C <input type="checkbox"/> 1212°C <input type="checkbox"/> 1216°C <input type="checkbox"/> 1220°C <input type="checkbox"/> 1224°C <input type="checkbox"/> 1228°C <input type="checkbox"/> 1232°C <input type="checkbox"/> 1236°C <input type="checkbox"/> 1240°C <input type="checkbox"/> 1244°C <input type="checkbox"/> 1248°C <input type="checkbox"/> 1252°C <input type="checkbox"/> 1256°C <input type="checkbox"/> 1260°C <input type="checkbox"/> 1264°C <input type="checkbox"/> 1268°C <input type="checkbox"/> 1272°C <input type="checkbox"/> 1276°C <input 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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| CLIENT: EPA | | OFFICE LOC: Sparks, MD | | PAGE 9 OF 10 | |
|----------------------------------|-----------------------|---------------------------|-----------|--|--|
| PROJECT MGR: | (4) (5) | PHONE NO.: (410) 329-5114 | | | |
| EMAIL: (4) (6) | Deust.com | FAX NO.: (410) 771-4104 | | | |
| PROJECT NAME: | NTCB | PROJECT NO.: H02309 | | | |
| SITE LOCATION: | Port Deposit | P.O. NO.: (4) | | | |
| SAMPLERS: | | | | | |
| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX (See Codes) | REMARKS |
| 81 | T6-4-7 | 5/27/0 | 0835 | S | C = COMP G = GRAB P = Pesticides S = Solids |
| 82 | T6-4-13 | | 0540 | | |
| 83 | T6-4-6 | | 0845 | | |
| 84 | T6-4-12 | | 0950 | | |
| 85 | T6-4-5 | | 0905 | | |
| 86 | T6-4-11 | | 0910 | | |
| 87 | F-169 | | 0930 | | |
| 88 | F-76 | | 0650 | | |
| 89 | F-8 | | 1005 | | |
| 90 | T6-12-2 | | 1030 | ✓ | |
| Relinquished By: (4) (2) (b) (4) | | Date 5/27/0 | Time 1205 | # of Coolers: 4 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other <input type="checkbox"/> | |
| Relinquished By: (4) (2) (b) (4) | | Date 5-17-10 | Time 1435 | Custody Seal: ABS Ice Present: YES Temp: 1°C Shipping Carrier: DHL | |
| Relinquished By: (3) | | Date | Time | Special Instructions: | |
| Relinquished By: (4) | | Date | Time | Received By: | |

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

| | | | | | | | | |
|------------------------------------|----------------------------------|--|----------------------------------|-----------------------------|-------------------------|--|---------------------------|-----------|
| 1 | CLIENT: EPA | OFFICE LOC. Sparks, MD | PSS Work Order # 10062714 | PAGE 10 OF 10 | | | | |
| PROJECT MGR: | PHONE NO.: (410) 529-5144 | Matrix Codes: GW=Ground Wtr DM=Drinking Wtr SW=Surface Wtr Wt=Waste Wtr O=Oil S=Soil W=Liquid WS=Waste Solid W=Wipe | | | | | | |
| EMAIL: (410) 711-4204 | FAX NO.: (410) 711-4204 | | | | | | | |
| PROJECT NAME: NTCB | PROJECT NO.: 140230T | No. C O | SAMPLE TYPE | REMARKS | | | | |
| SITE LOCATION: Port Deposit | P.O. NO.: (410) | C = COMP ③ | E = GRAB ③ | | | | | |
| SAMPLERS: | | G = | | | | | | |
| 2 | LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX (See Codes) | | | |
| 91 | | FL-104-10/0-2 | 5/13/10 | 1440 | S | 1 | G | 74 |
| 92 | | FL-104-5/2-4 | 5/13/10 | 1350 | S | 1 | G | |
| 5 | Date 5-27-10 | Date 5/21/10 | Time 1305 | Time 1435 | Received By: (4) | Received By: (4) | Requested Turnaround Time | |
| Relinquished By: (4) | | Date 5-27-10 | | Time 1435 | | <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other | | |
| Relinquished By: (4) | | Date | | Time | | Received By: | | |
| Relinquished By: (4) | | Date | | Time | | Received By: | | |
| Special Instructions: | | | | | | | | |

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723
The Client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



Phase Separation Science, Inc

Sample Receipt Checklist

| | | | |
|----------------|--------------|---------------|------------------------|
| Wo Number | 10052714 | Received By | (b) (4) |
| Client Name | ARGO Systems | Date Received | 05/27/2010 02:35:00 PM |
| Project Name | Port Deposit | Delivered By | Dial Courier |
| Project Number | N/A | Tracking No | Not Applicable |
| Disposal Date: | 07/01/2010 | Logged In By | (b) (4) |

Shipping Container(s)

| | | | |
|----------------|--------|--------------|------------|
| No. of Coolers | 4 | Ice | Present |
| Custody Seals | Absent | Temp (deg C) | 1 |
| Seal Condition | Absent | Temp Blank | Present No |

Documentation

COC agrees with sample labels? Yes or No Sampler Name: (b) (4)
Chain of Custody (COC) Yes or No MD DW Cert. No: N/A

Sample Container

| | | | |
|-------------------------------------|---|----------------------------------|----------------|
| Appropriate for Specified Analysis? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Custody Seal(s) | Absent |
| Intact? | <input checked="" type="checkbox"/> — | Custody Seal(s) Intact? | Not Applicable |
| Labeled and Labels Legible | <input checked="" type="checkbox"/> — | Seal(s) Signed / Dated | Not Applicable |
| Total No. of Samples Received | 92 | Total No. of Containers Received | 103 |

Preservation

| | | Yes | No | N/A |
|--------------------------------------|---------|-------------------------------------|-------------------------------------|-------------------------------------|
| Metals | (pH<2) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cyanides | (pH>12) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sulfide | (pH>9) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TOC, COD, Phenols | (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| TOX, TKN, NH3, Total Phos | (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| VOC, BTEX (VOA Vials Rcvd Preserved) | (pH<2) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do VOA vials have zero headspace? | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

(b) (4)

Samples Inspected/Checklist Completed By: (b) (4)

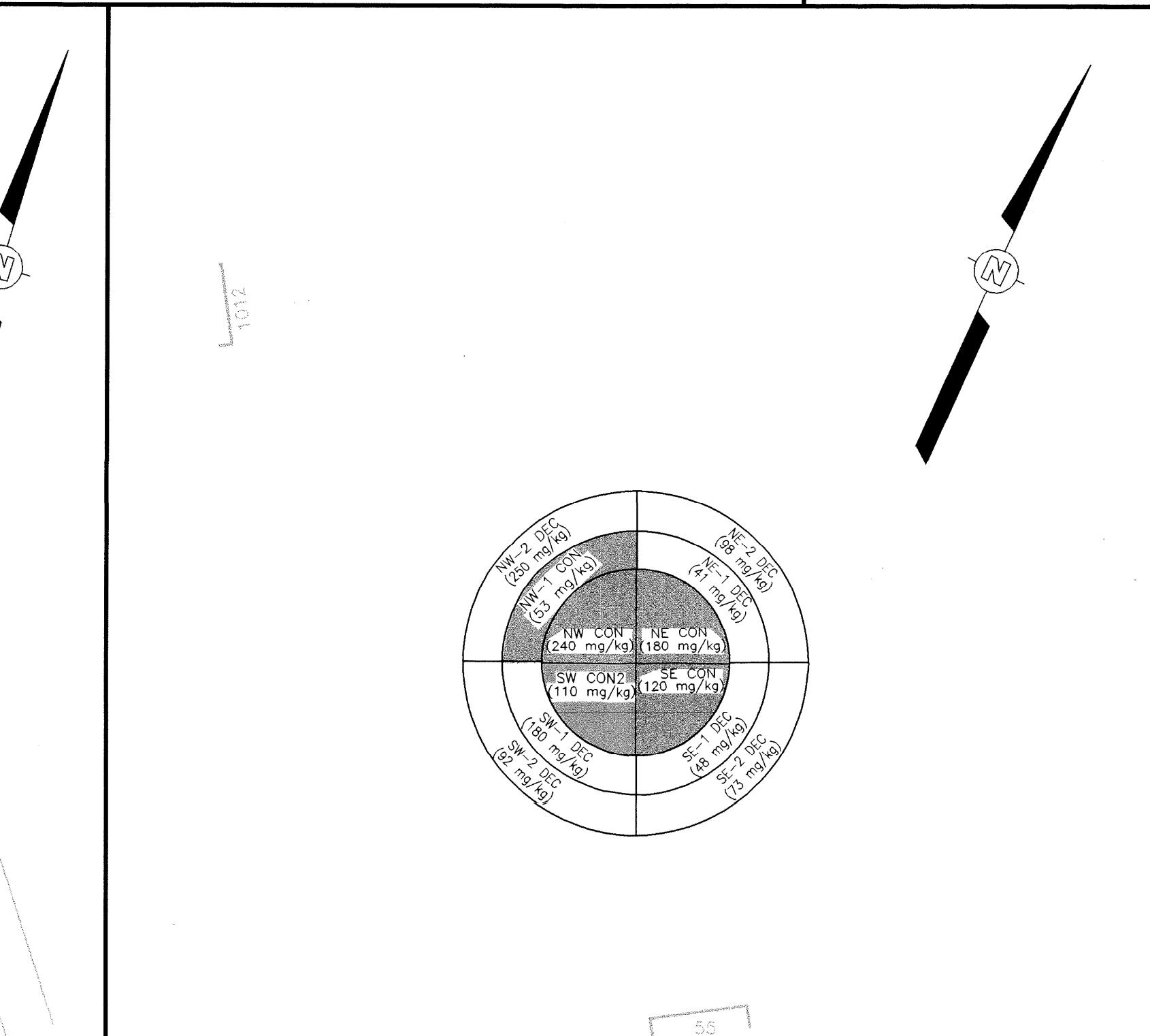
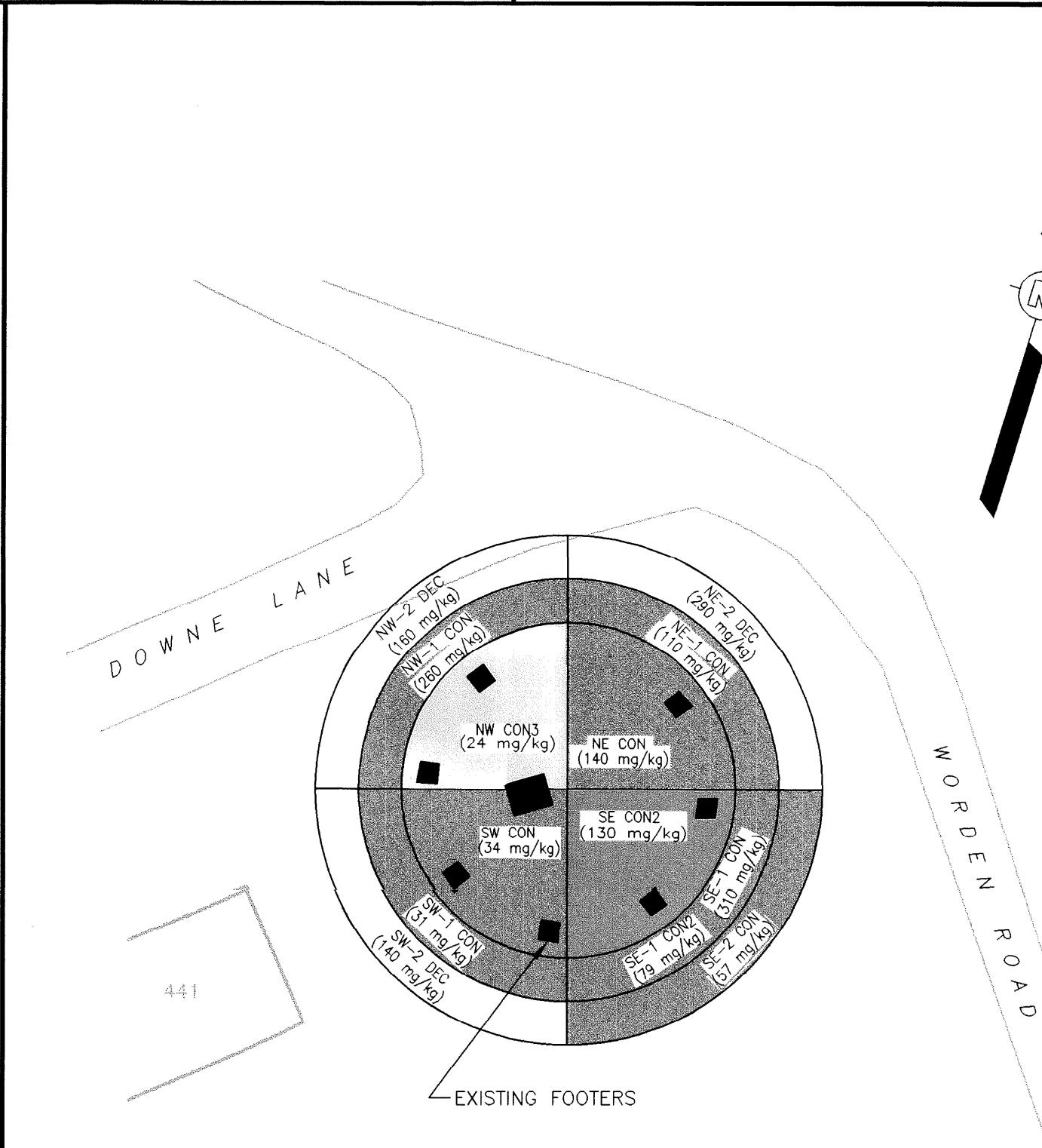
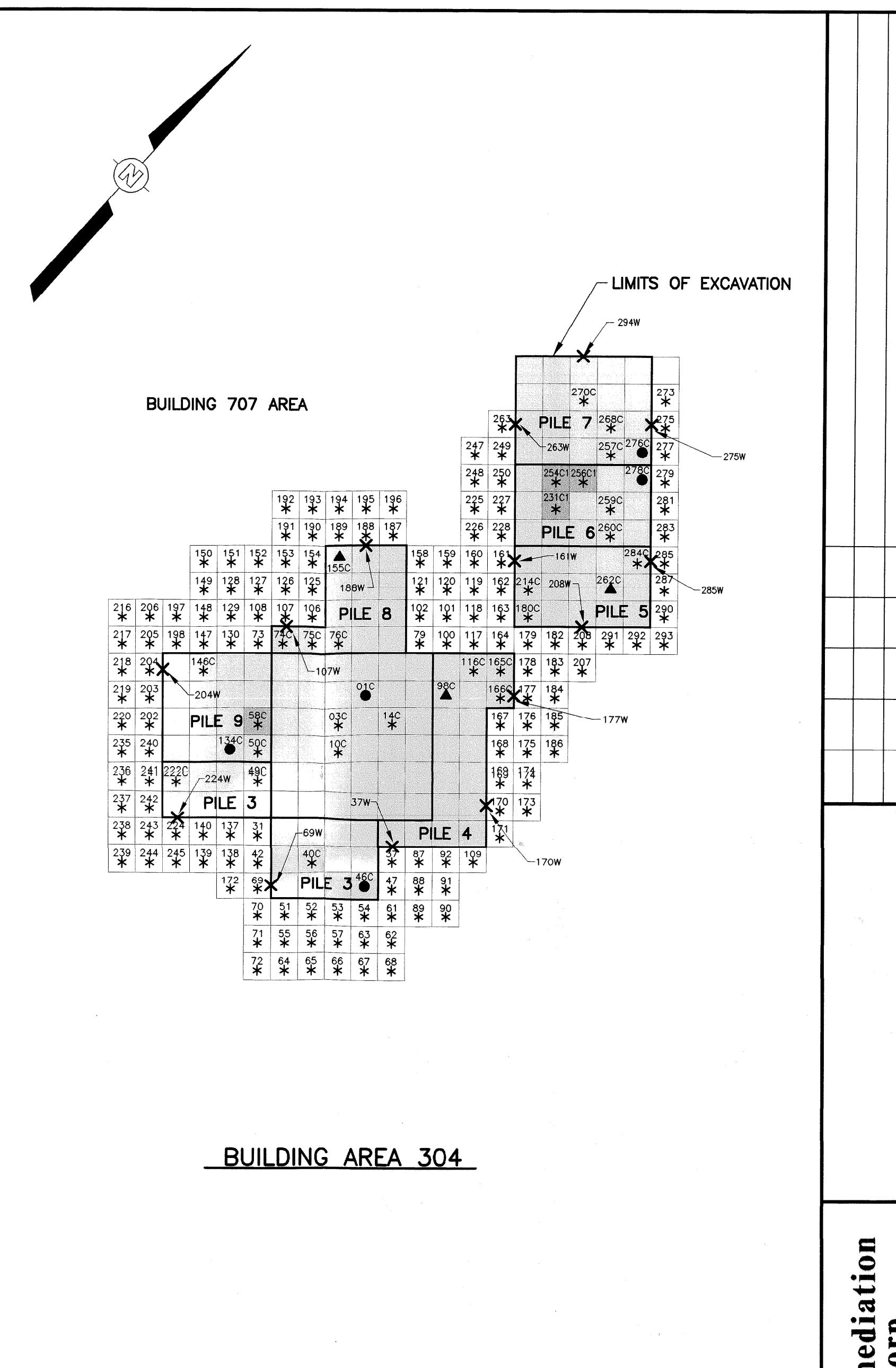
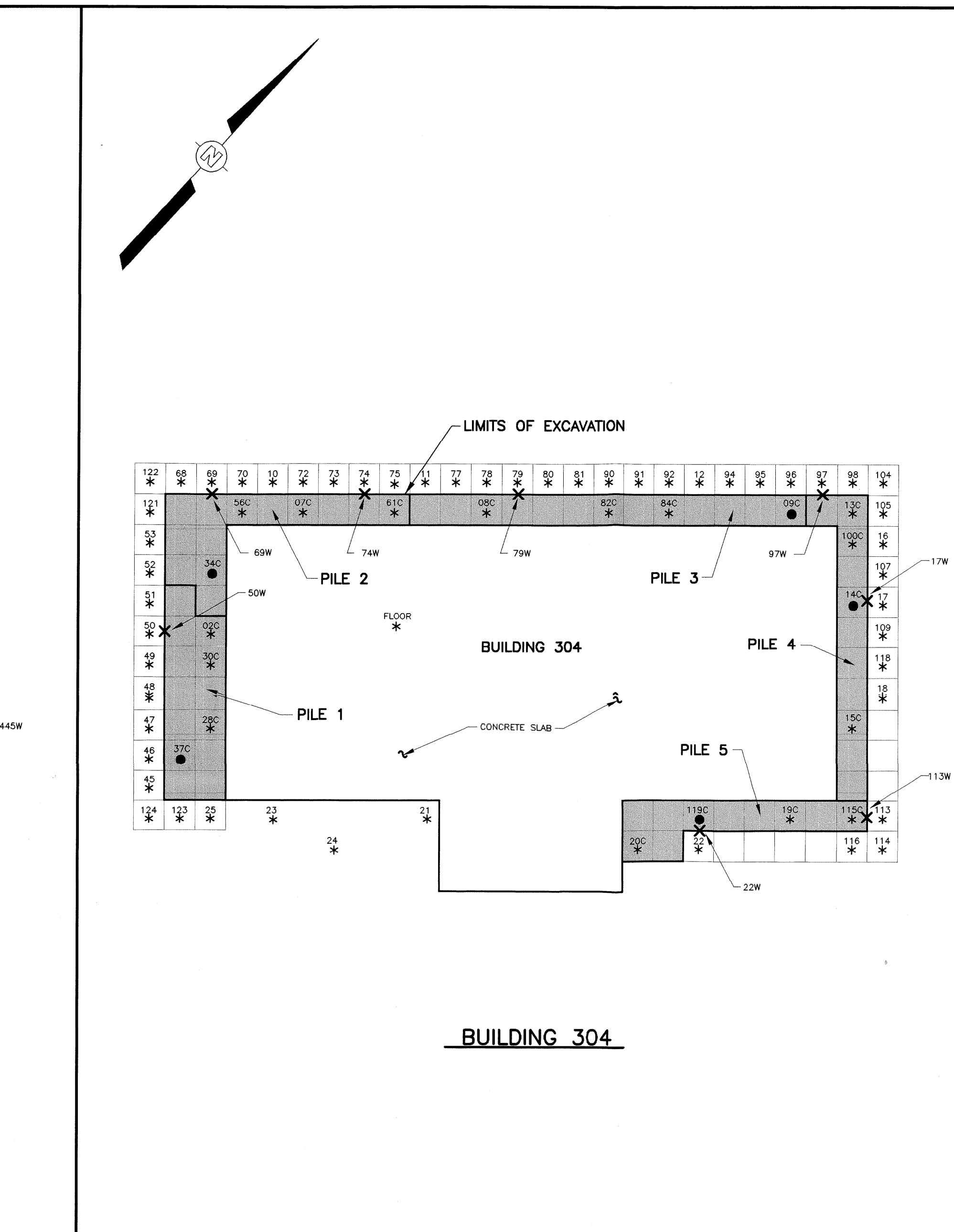
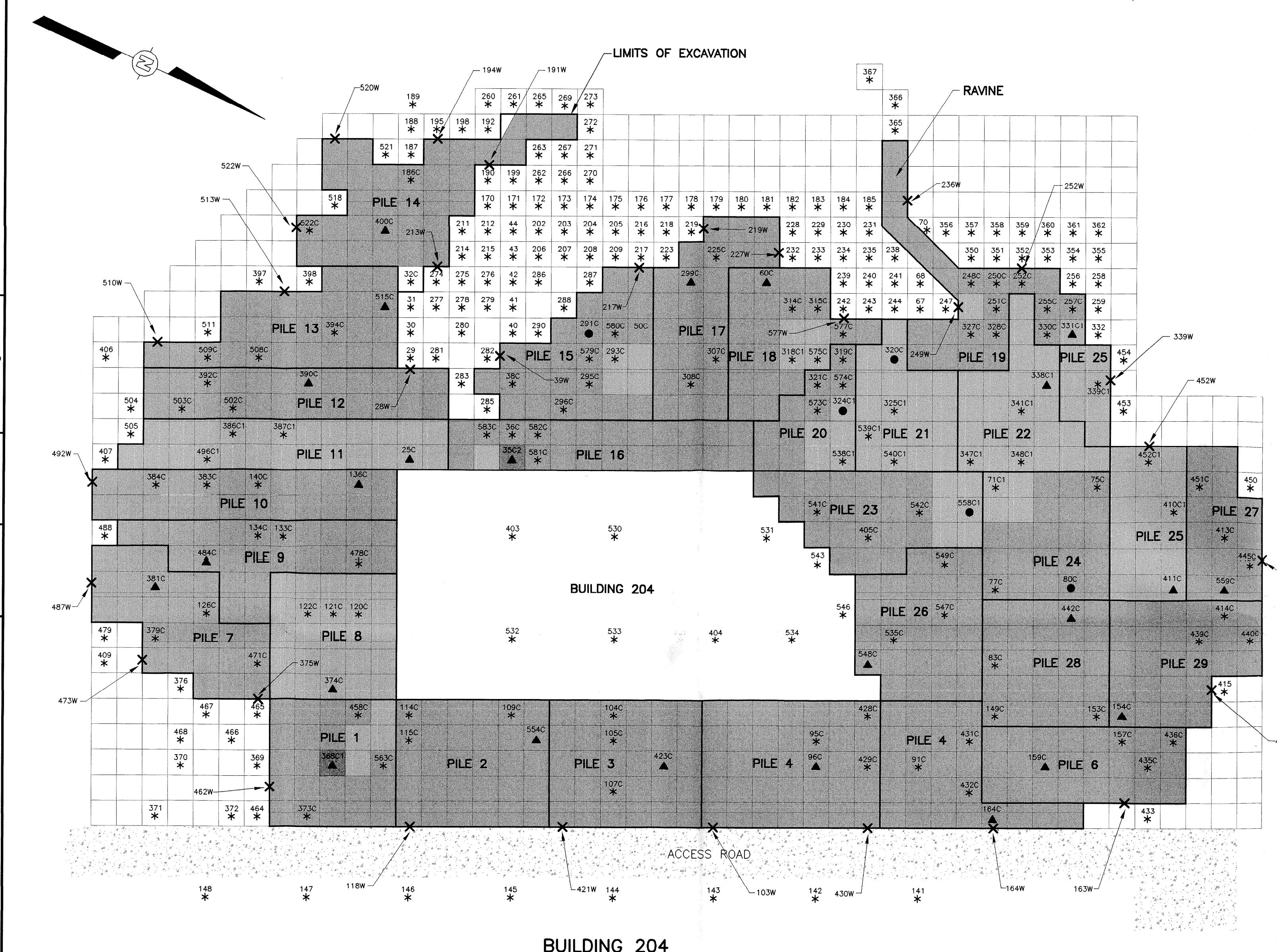
Date: 5/27/10

PM Review and Approval: (b) (4)

Date: 5/28/10

Printed: 05/27/2010 06:52 PM

Attachment D
1999 OHM Report Figure



| LEGEND: | |
|----------|--|
| 404-197C | FLOOR SAMPLE - TOTAL LEAD & TAL METALS |
| 404-194C | FLOOR SAMPLE - TOTAL LEAD ONLY |
| 19W | WALL SAMPLE |
| X | 6 INCH EXCAVATION |
| ■ | 1 FOOT EXCAVATION |
| □ | 1.5 FOOT EXCAVATION |
| ▢ | 2 FOOT EXCAVATION |
| ▨ | 2.5 FOOT EXCAVATION |
| ▨▨ | 3 FOOT EXCAVATION |

| DEPARTMENT OF THE NAVY | | NAVAL FACILITIES ENGINEERING COMMAND | | NAVAL TRAINING CENTER - CHESAPEAKE BARRIER ISLANDS | | PORT DEPOSIT, MARYLAND | |
|----------------------------------|----------|--------------------------------------|----------|--|-----|------------------------|----------|
| PROJECT NO. | 919568 | DESIGN BY | LJS | DRAWN BY | JES | CHECKED BY | KRK |
| DATE | 10/25/99 | DATE | 10/25/99 | APPROVED BY | LJS | DATE | 10/25/99 |
| SCALE: | 0 | 30 | 60 | 90 FEET | | | |
| "LEFT-IN-PLACE" SAMPLE LOCATIONS | | | | | | | |
| SEA AREA | | | | | | | |
| RD-07 | | | | | | | |